

Profile

Which Boards would you like to apply for?

Open Space and Parks Advisory Committee: Submitted

Please select your first Board preference: *

☒ Open Space and Parks Advisory Committee

Please select your second Board preference: *

☒ Open Space and Parks Advisory Committee

Please select your third Board preference: *

☒ Open Space and Parks Advisory Committee

Please select your fourth Board preference: *

☒ Open Space and Parks Advisory Committee

Please select your fifth Board preference: *

☒ Open Space and Parks Advisory Committee

Please select your sixth Board preference: *

☒ Open Space and Parks Advisory Committee

Rashawn
First Name

C
Middle Initial

King
Last Name

1509 Entheos Lane Raleigh, NC
Street Address

Suite or Apt

Raleigh
City

NC
State

27610
Postal Code

What district do you live in?

None Selected

Home: (984) 296-3616
Primary Phone

Mobile: (984) 296-3616
Alternate Phone

kingray919@yahoo.com
Email Address

Triangle Trails Initiative
Employer

Program Manager
Job Title

If you live in an Extraterritorial Jurisdiction Area, select Yes:

☐ Yes ☒ No

In order to assure countywide representation, please indicate your place of residence:

☒ Raleigh

Interests & Experiences

Why are you interested in serving on a Board or Commission?

I am interested in serving on the board because I want to be able to make a positive impact throughout Wake County for open space, trails, and recreation. Also, I want to be able to bring my expertise to the table to impact the communities in Wake County.

Work Experience

Triangle Trails Initiative ■ May 2023 – Present Program Manager of Triangle Trails NC Salary: 68,000 Job duties: As the Triangle Trails Initiative Program Manager. My responsibilities are to implement the vision, goals, and objectives of TTI, in partnership with allied organizations and TTI members institutions. The three primary areas of work for the Program Manager will include. Community relations, Project Management and Fundraising. As the Program Manager I hosted regional and state-wide conferences and workshops. I develop Regional relationships between collaborative partners. Also, I implemented a GIS/GPS map called Wander Map for a regional mapping for trails and greenways. North Carolina State University (College of Natural Resources) ■ August 2019 – Present Central West Regional Consultant ■ 2800 Faucette Drive Raleigh, NC 27606 Salary: 4300 Job Duties: As the Central West Regional Consultant I help local government agencies across the state of North Carolina obtain state and federal funding by applying with PARTF (Parks and Recreation Trust Fund)/LWCF (Land and Water Conservation Fund) applications. I administer and help local government obtain funding to acquire land acquisition and development projects. Coordinate annual inspections to determine the progress on the projects funded. Also, monitor local government's development of project through a contract from NC State Parks. Also, monitor local government's financial activity and files. Also, assist local government agencies with technical assistance. I host conferences, workshops, webinars that educate local governments on variety of topics dealing with Parks and Recreation. I speak at different university about my field of work to help undergraduate and graduate students with their career path. I was in charge of the largest webinar called Bringing Swag Outside. It was a webinar hosted by me with guest speakers to share knowledge on why the hard to reach audience has a disconnection with outdoor recreation. Also, I was in charge providing a safe quality environment for the community by planning out reachable technical assistance. I also provided a diversity webinar that was strategically for the tribal and rural communities. Also, served on staff resource committee for new employment opportunities. Served on the DEI committee for my department. I was in charge of renovating the policies, procedures, and guidelines so that they are more diverse and equitable for our department.

Volunteer Experience

Black Salute NPO, September 2020 – Present • President of Black Salute NPO • Developed & Coordinated community events • Implemented timeline for all community events. • Provided equipment and volunteers for community events City of Raleigh Parks and Recreation, September 2020 - September 2024 • Elected official for the City of Raleigh Parks & Recreation Advisory Board Make-A-Wish Organization, September 2020 - June 2023 • Member of the Make-A-Wish Stargaze • Member of the Wish team • Member of the Make-A-Wish Advisory board University of North Carolina, August 2019-present • Children cancer clinic committee • Diversity, Equity, and Inclusion committee North Carolina State University, August 2019- April 2023 • Member of the Diversity, Equity, and Inclusion Committee for the College of Natural Resources

Education

NORTH CAROLINA STATE UNIVERSITY May 2017-May 2019 ■ Graduate School- Masters of Science in Parks, Recreation, Tourism, and Sports Management Cumulative GPA: 3.4 NORTH CAROLINA CENTRAL UNIVERSITY August 2012 – May 2016 ■ Bachelor of Science in Recreation Administration with a Concentration in Parks & Recreation Management • Cumulative GPA: 3.263 • NCCU TRU Grit Ward Athletics Award • Rho Phi Lambda Honor Society • Carl Washington Recreation Award

Comments

[Ray_KingResume.pdf](#)

Upload a Resume

If you have another document you would like to attach to your application, you may upload it below:

Please upload a file

Demographics

Date of Birth

Gender *

☒ Male

Ethnicity *

☒ African American

Other

How did you become aware of Wake County volunteer opportunities?

☒ County Website

Rashawn C King

If you selected "Other" above, how?

Please upload a file

ETHICS GUIDELINES FOR COUNTY ADVISORY BOARDS AND COMMISSIONS

By submitting this electronic application, if appointed, I pledge by my signature below that I have read and will comply with the ethics guidelines for advisory boards and commissions as adopted by the Wake County Board of Commissioners, found [here](#).

Rashawn King

Phone: (919) 274-3722 | Email: KingRay919@yahoo.com

Education

NORTH CAROLINA STATE UNIVERSITY

May 2017-May 2019 ▪ Graduate School- Masters of Science in Parks, Recreation, Tourism, and Sports Management

▣ Cumulative GPA: 3.4

NORTH CAROLINA CENTRAL UNIVERSITY

August 2012 – May 2016 ▪ Bachelor of Science in Recreation Administration with a Concentration in Parks & Recreation Management

- Cumulative GPA: 3.263
- NCCU TRU Grit Ward Athletics Award
- Rho Phi Lambda Honor Society
- Carl Washington Recreation Award

Middle Creek High School

August 2008 – May 2012 ▪ High School Diploma:

- Cumulative GPA: 3.4
- Middle Creek Jerel Hudson Award
- Middle Creek MYP Award
- Spotlight on students Award WCPSS

Experience

Triangle Trails Initiative ▪ May 2023 – Present

Program Manager of Triangle Trails NC Salary: 68,000

Job duties: As the Triangle Trails Initiative Program Manager. My responsibilities are to implement the vision, goals, and objectives of TTI, in partnership with allied organizations and TTI members institutions. The three primary areas of work for the Program Manager will include. Community relations, Project Management and Fundraising. As the Program Manager I hosted regional and state-wide conferences and workshops. I develop Regional relationships between

collaborative partners. Also, I implemented a GIS/GPS map called Wander Map for a regional mapping for trails and greenways.

North Carolina State University ▪ August 2019 – April 2023

Central West Regional Consultant ▪ 2800 Faucette Drive Raleigh, NC 27606 Salary: 4300

Job Duties: As the Central West Regional Consultant I help local government agencies across the state of North Carolina obtain state and federal funding by applying with PARTF (Parks and Recreation Trust Fund)/LWCF (Land and Water Conservation Fund) applications. I administer and help the local government obtain funding to acquire land acquisition and development projects. Coordinate annual inspections to determine the progress on the projects funded. Also, monitor the local government's development of projects through a contract from NC State Parks. Also, monitor local government's financial activity and files.

Also, assist local government agencies with technical assistance. I host conferences, workshops, webinars that educate local governments on a variety of topics dealing with Parks and Recreation. I speak at different universities about my field of work to help undergraduate and graduate students with their career path. I was in charge of the largest webinar called Bringing Swag Outside. It was a webinar hosted by me with guest speakers to share knowledge on why the hard to reach audience has a disconnection with outdoor recreation. Also, I was in charge of providing a safe quality environment for the community by planning out reachable technical assistance. I also provided a diversity webinar that was strategically for the tribal and rural communities. Also, served on staff resource committee for new employment opportunities. Served on the DEI committee for my department. I was in charge of renovating the policies, procedures, and guidelines so that they are more diverse and equitable for our department.

South Garner High School ▪ August 2018 – August 2019

Special Education BST ▪ 8228 Hebron Church Rd, Garner, NC 27529 Salary: 32,000

Job Duties: Assist BST teacher as behavior support team. Document student's behavior throughout the day and manage course work throughout the year. Work close to students on caseload and Monitor their work. Assisted teacher with developing, implementing, execution, and monitoring the student's behavior reports and academic progress. Established and implemented a diversity and equity board for the students at South Garner High School.

Raleigh Parks & Recreation ▪ September 2016 – August 2018

Recreation Leader ▪ 514 Method Road, Raleigh, NC 27607 Salary: \$12 hour

Job Duties: Implement and coordinate activities and develop educational and recreational activities for the community. Operate multi-line telephone, book and schedule events, activities, recreation rooms and spaces as well as coaching children recreational sports, and all other clerical duties. Recreational leader, Mini Hoopster and Football program leader and developer. In charge of Facility management, Facility booking, and extraordinary events.

JD Lewis Center ▪ February 2016 – August- 2018

Program Developer/Production Analyst ▪ 2245 Garner, Rd Raleigh, NC 27610

Job Duties: Develop and implement programs for youth development, manage yearly budget, develop mobile apps for patrons to register online, manage point of sales with point of sales app, Implement Scrum software into organization, and implement DeVops system into the programs developed. Supported internal and external stakeholders through community outreach and engagement through recreational programs.

United States Postal Service ▪ April 2017 – May 2017

Assistant Rural Carrier ▪ 2100 Lake Dam Road, Raleigh, NC 27606 Salary: \$17/hour *Job Duties:* Deliver parcel to customer's residence.

Garner Parks & Recreation ▪ July 2016 – June 2017

Recreation Leader ▪ 125 Avery St, Garner, NC 27529 Salary: \$13/hour

Job Duties: Coordinated activities and developed educational and recreational activities for the community. Operated multi-line telephone, booked and scheduled events, activities, recreation rooms and spaces as well as coaching children recreational sports and all other clerical duties. Camp Counselor. Recreational leader, Mini Hoopster, Sluggers, Kickers, and Football program leader and developer. Also, facility management and open gym manager.

Middle Creek High School ▪ June 2013 – July 2016

Basketball/Football coach ▪ 123 Middle Creek Park Ave, Apex, NC 27539

Job Duties: Coached men's basketball and football and helped develop players into better athletes. Developed Running drills, participated in practice exercises, mentored the players and, attended all games and called plays, taught players to become aware of surroundings while on field or court. Also, assisted the athletic director with administrative duties, scheduling meetings, coordinating athletic games, and managed equipment.

The Farm UNC Faculty-Staff Recreation Association ▪ August 2015 – December 2015

Event Management/Programming Plan ▪ 1 Alice Ingram Circle Chapel Hill, NC 27517

Job Duties: Completed an event management class, which required to create a Halloween program for the private nonprofit organization The Farm.

Eastern Entertainment ▪ June 2012 – August 2014

Parking Staff ▪ 4708 Holland Church Rd, Raleigh, NC 27603 Salary: \$16/hour

Job Duties: Directed traffic and parked cars during events.

Skills and Abilities

- PC and Mac user
- Event Planning
- Proficient computer skills: Microsoft Word, Excel, Power Point, Class software, and Active Net
- Accounts and Budgeting
- ArcGIS Desktop
- ArcGIS Maps
- Google Earth Pro
- File management and Windows Explorer skills
- Erosion and Radiation control
- Outreach and engagement with the communities

- Implementation of policies, procedures, and guidelines
- Development and execution of recreational environmental plans

Certifications

- Completion of Risk Management Course (A)
- ARCGIS Desktop
- ARCGIS Map
- Diversity, Equity, and Inclusion training certification

Honors & Awards

- St. Louis Musical Awards
- Award of Excellence (North Carolina State University)
- Make-A-Wish Award
- Leukemia Lymphoma Society Honored Hero Award
- Leukemia Lymphoma Society Honors Society Award
- Greater Raleigh Character & Courage Award

Volunteer Services

Black Salute NPO, September 2020 – Present

- President of Black Salute NPO
- Developed & Coordinated community events
- Implemented timeline for all community events.
- Provided equipment and volunteers for community events

City of Raleigh Parks and Recreation, September 2020 - August 2024

- Elected official for the City of Raleigh Parks & Recreation Advisory Board

Make-A-Wish Organization, September 2020 - Present

- Member of the Make-A-Wish Stargaze
- Member of the Wish team
- Member of the Make-A-Wish Advisory board

University of North Carolina, August 2019-present

- Children cancer clinic committee
- Diversity, Equity, and Inclusion committee

North Carolina State University, August 2019- Present

- Member of the Diversity, Equity, and Inclusion Committee for the College of Natural Resources

Studio 113, June 2014 – May 2016

- Administrative Assistance
- Maintenance Assistance
-

Bugg Elementary, May 2017 – June 2017

- Mentored students
- Assisted principal with after school program

Profile

Which Boards would you like to apply for?

Open Space and Parks Advisory Committee: Submitted

Please select your first Board preference: *

☒ Planning Board

Please select your second Board preference: *

☒ Open Space and Parks Advisory Committee

Please select your third Board preference: *

☒ City of Raleigh Planning Commission

Please select your fourth Board preference: *

☒ None Selected

Please select your fifth Board preference: *

☒ None Selected

Please select your sixth Board preference: *

☒ None Selected

Daniel

First Name

Gilligan

Last Name

Middle
Initial

6401 Rushingbrook Drive

Street Address

Suite or Apt

Raleigh

City

NC

State

27612

Postal Code

What district do you live in?

None Selected

Home: (919) 271-5137

Primary Phone

Home: (919) 271-5137

Alternate Phone

danielgilligan@gmail.com

Email Address

Office of NC Lt. Governor
Hunt

Employer

Government Affairs Director

Job Title

If you live in an Extraterritorial Jurisdiction Area, select Yes:

☐ Yes ☒ No

In order to assure countywide representation, please indicate your place of residence:

☒ Raleigh

Interests & Experiences

Why are you interested in serving on a Board or Commission?

To Members of the Commission: I remember my first swim lesson when I was about 4 years old in Optimist pool. I remember getting that big yellow Wake County Public Libraries card with the Cub Scouts in 4th grade. I remember how excited I was the first time I made it past the waitlist for an intro to pottery class at Sertoma. After growing up in Raleigh and attending NC State, I left to travel the world. I came back a few years later and after living a few other places, truly appreciated what a great place my parents had chosen to settle. When I moved back to the area as an adult, I chose where to live and later buy a home based on greenway access. Wake Public Schools and NC State provided a foundation that led to a doctorate and successful career. Over the last 20 years, I've been an educator and gotten to advise public officials from county commissioners to governors and senators in 17 states. I've also led policy think tanks and advised CEOs on tech policy. While that professional experience with public policy is important it can feel removed from direct impact on my community. Most importantly, as someone who grew up in Raleigh and now built my adult life here, I understand both our challenges and what makes us unique. I've seen the area grow from a sleepy suburban commuter town to the No.1 best performing large metro for tech and growth. I want to continue to invest in the things that make Wake a great and distinct place to live, and still continue to welcome new members of our community. As an adult, I appreciate how important the public services threaded through my life here are. The quality of life and community built in Wake don't happen by chance but by deliberate choices that build and attract a strong workforce. I now seek the opportunity to not just give back but help chart a path forward that builds on the shared values that made us all want to live here. I want to help find balanced solutions that preserve the quality of life that make this a place so many people want to live and continue to expand economic opportunities. I believe serving on advisory committees for Planning and/or Open Spaces and Parks is a new opportunity for me to not just offer my experience but learn even more about our incredible community. Thank you for your consideration, -Daniel Gilligan, PhD

Work Experience

I have public policy experience advising public officials from local to federal level and helping tech companies navigate complex regulatory environments over the last 20 years. As a educator I have taught courses on public policy and international studies. While I have done work in 17 states, the bulk of it has been here in my home of North Carolina. I'd love to leverage that variety of experience to meet the complex challenges our region faces - finding common ground solutions that preserve what makes this a thriving place to live while still welcoming new members of our community.

Volunteer Experience

I've led two non-profits based in North Carolina focused on civic engagement. Most recently, I have volunteered helping sort, organize, and pack donations locally for our neighbors out west impacted by Hurricane Helene, and previously volunteered with the Salvation Army doing similar work with food distribution and holiday toy distribution.

Education

PhD, MA, Politics, Global Communications - Durham University (United Kingdom) BA, Political Science/Economics - North Carolina State University (Raleigh, NC, USA) Diploma, Wake Forest-Rolesville High School Google Professional Certificate, Project Management

Comments

[Daniel_Gilligan_Resume.pdf](#)

Upload a Resume

[Daniel_Gilligan_-_](#)

[Letter_of_Interest_-_](#)

[Wake_County.pdf](#)

If you have another document you would like to attach to your application, you may upload it below:

Please upload a file

Demographics

Date of Birth

Gender *

☒ Male

Ethnicity *

☒ Caucasian

Other

How did you become aware of Wake County volunteer opportunities?

☒ Current Wake County Volunteer

If you selected "Other" above, how?

Please upload a file

ETHICS GUIDELINES FOR COUNTY ADVISORY BOARDS AND COMMISSIONS

By submitting this electronic application, if appointed, I pledge by my signature below that I have read and will comply with the ethics guidelines for advisory boards and commissions as adopted by the Wake County Board of Commissioners, found [here](#).

Daniel Gilligan

Summary

Policy advisor to Governors, CEOs, Attorneys General, and legislators in 17 different states. Tech industry experience facilitating a nation-wide advocacy coalition that passed sustainability legislation in 6 states, while spurring federal regulatory action.

Experience

Avante Health Solutions/Transtate Equipment Company

Government Relations and Public Affairs

September 2021 – Present

- Directly advise CEO and organizational leadership on government relations and public affairs while facing major federal legal challenge from global multi-national company.
- Collaboration with a US-wide coalition of trade associations and advocacy groups on “Right to Repair” campaign that garnered a favorable Federal Trade Commission ruling, Presidential Executive Order, and state legislative action in CA, CO, ME, MN NY, OR.
- Coordinated public affairs around litigation that set legal precedent in competition law.
- Developed advocacy strategy and internal policy on issues including AI, data privacy, intellectual property, competition, and clean energy to adapt to global regulatory environments.
- Monitoring and policy analysis of regulatory developments, industry trends, and state regulations in EU and US, provide strategic advice to leadership on potential impacts for tech company.
- Cross-functional strategic planning and integrated communications across media relations, legal, and policy to ensure alignment of messaging and business objectives.

Gilligan Policy Solutions

Public Policy and Communications Consultant

December 2008 – Present

- Public policy and strategic communications consultant with experience in the US (federal level and in 17 different states), EU, and Central America.
- Public sector clients included: Gov. Roy Cooper (NC), Sen. Ed Markey (MA), AG Josh Stein (NC), AG Kathy Jennings (DE), NC Sen. Rachel Hunt, Fair Fight Action.
- Private sector clients in industries including clean energy, resource extraction, and tech.
- Crisis communications on closest US gubernatorial race in 4 different election cycles.

- Led policy advocacy efforts that fostered wins for clients in states as culturally different as Massachusetts and West Virginia during the same election cycle.
- Prepared public and private sector executives for live televised debates, media events, depositions, and government hearings.
- Manage projects and building teams from a variety of positional authorities on cross-functional teams in fast-paced environments.

Think NC First

Policy Director

November 2014 – June 2020

- Organizational leadership of think tank with a cross-functional team of 7 direct reports.
- Public affairs management around litigation on constitutional challenges, civil rights, election law, and redistricting.
- Coached policy makers, civil society leaders, and elected officials to articulate complex policy to a variety of stakeholders including non-technical audiences.
- Government relations on a range of issues with an emphasis on the intersection of government policy and innovation on transportation and infrastructure, public health, public education, clean energy, environmental regulations, and sustainability.
- Research and development of over \$23M in paid media communications for coalition partners and users through multi-modal public opinion and behavioral research.

Education

PhD, MA, Politics, Global Communications - Durham University (United Kingdom)

BA, Political Science/Economics - North Carolina State University (Raleigh, NC, USA)

Google Professional Certificate, Project Management

Daniel Gilligan, PhD
Raleigh, NC
danielgilligan@gmail.com
+1 (919) 271-5137

March 9, 2025

To Members of the Commission:

I remember my first swim lesson when I was about 4 years old in Optimist pool. I remember getting that big yellow Wake County Public Libraries card with the Cub Scouts in 4th grade. I remember how excited I was the first time I made it past the waitlist for an intro to pottery class at Sertoma. After growing up in Raleigh and attending NC State, I left to travel the world. I came back a few years later and after living a few other places, truly appreciated what a great place my parents had chosen to settle. When I moved back to the area as an adult, I chose where to live and later buy a home based on greenway access.

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Thank you for your consideration,
-Daniel Gilligan, PhD

Profile

Which Boards would you like to apply for?

Open Space and Parks Advisory Committee: Submitted

Please select your first Board preference: *

☒ Raleigh-Durham Airport Authority

Please select your second Board preference: *

☒ Open Space and Parks Advisory Committee

Please select your third Board preference: *

☒ Greater Raleigh Convention and Visitors Bureau

Please select your fourth Board preference: *

☒ Information Technology Advisory Committee

Please select your fifth Board preference: *

☒ Keep America Beautiful Advisory Board

Please select your sixth Board preference: *

☒ Economic Development Commission

Michael		Simpson
First Name	Middle Initial	Last Name

213 lively oaks way		
Street Address	Suite or Apt	
holly springs	NC	27540
City	State	Postal Code

What district do you live in?

None Selected

Mobile: (908) 399-5454	Home: (908) 399-5454
Primary Phone	Alternate Phone
mcsimpson8@gmail.com	
Email Address	
recently retired - Equisot;State Farm, Allstate, MetLife	VP and Program management for Large US insurance companies
Employer	Job Title

If you live in an Extraterritorial Jurisdiction Area, select Yes:

☐ Yes ☒ No

In order to assure countywide representation, please indicate your place of residence:

☒ Holly Springs

Interests & Experiences

Why are you interested in serving on a Board or Commission?

Though out my career and as I am a new Retiree; I am looking for ways to support our community with year's the skills I have built over the last 35+ years.

Work Experience

35 + years of experience in Life Insurance Managed Large Budgets of 50M-80M Annually Managed Large teams 300-500 people - on and offshore Worked closely with CIOs, great, partnership creation communications skills Program management specialist working thru complicated problems; offering solutions and different perspective

Volunteer Experience

MMIA in Holly springs supporting Military people in need Habitat for Humanity - supporting Wake County and the home building process ACP - American Corp partners for 10 yrs. Mentoring Military folks moving from active duty to Civilian life. Coaching, mentoring, resume thru mock interviews'

Education

Completed BA of computer Science at Marist college in Poughkeepsie NY

Comments

[2024_Michael_Simpson_resume.docx](#)

Upload a Resume

If you have another document you would like to attach to your application, you may upload it below:

Please upload a file

Demographics

Date of Birth

Michael Simpson

Gender *

☒ Male

Ethnicity *

☒ Caucasian

Other

How did you become aware of Wake County volunteer opportunities?

☒ County Website

If you selected "Other" above, how?

Please upload a file

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Michael Simpson

Michael C. Simpson

mcsimpson8@gmail.com • (908) 399-5454
www.linkedin.com/in/michael-c-simpson • Holly Springs, NC

IT Executive

Envision and transform business processes through incorporation of modern technologies to deliver competitive advantage. Leverage strong leadership, communication, project and program management, and technical expertise to identify and implement solutions that seamlessly organize, provide transparency, and facilitate communications across business units. Effectively guide project planning; prioritize installation, testing, and training phases. Develop and mentor teams, provide open trusted environments rewarded with world-class performance. Talent to clarify complex system processes and support architecture blueprints for stakeholders, business heads, and end users. Polished presenter. 30+ years in the Insurance industry with deep business and IT acumen in Group Insurance. Retail and PC lines of business.

Technical Proficiency

Platforms: FINOES, Vitech, Majesco, Guidewire, AWS, HRIS (Workday), Sales Force, Oracle-PAS, Equifax, Open Text, Service Now

Tools: Devops : Jenkins, GIT, Bamboo, Selenium, Slack, Atlassian,
Correspondence: - Documaker, EMC, Quadinet, SmartComm: WorkFlow ,Content Management – IBM Stack ; Realtime Integration : IBM Stack WMB,MQ, APIConnect, Prototyping with MuleSoft, Batch Messaging: Informatica Grid for securing file exchanges ; Rules engines and Calculator – Product Express

Career Experience

Equisoft Consultant for State Farm Life Insurance

Feb 2022 - Oct 2024

Life Modernization Program management

Accountable for the standing up a PMO office for State Farms strategic Life Modernization program via the Equisoft OIPA platform. Created and owned Key relationships with State Farm execs to create and implement clear RACI model across leadership, enabling a refreshed governance, reporting models and artifacts to bring transparency to exec's while working with cross functional teams to create a schedule for committed release dates. With accountability models, proper governance and metrics in place, teams have successfully delivered 3 new products over the course of 24 months, with one legacy migration planned and on track for a Q4 2024 delivery.

- Delivered modernized governance, reporting models, velocity tracking and proper meeting cadence to create deeper transparency across management layers, while enabling a repeatable and on-time delivery process. Leveraged this same model to align key internal, external teams and stakeholders to committed dates.
- Created a forward-looking view to ensure delivery was taking places across multiple efforts to provide business state holders optionality for Agency and Operational teams,
- Created a trusted relationship with State Farm leaders enabling significant growth for the Equisoft Config and delivery team

Infosys, Cary, NC

May 2021 - Feb 2022

Client Delivery lead

Accountable for the Infosys/Allstate IT delivery of an \$80M portfolio. Act as the single point of contact for delivery & escalations across large P&C portfolio supporting both the legacy and the Digital journey. Exercise Program management, development, and resources responsibility for a team of 1000+ associates working across the globe.

- Focused on process, communications, metrics, reporting and delivery standards.

METLIFE, Cary, NC

2019 - Dec 2021

Vice President, Delivery Exec - Strategic Claims Platform (2019 - Dec 2020)

Exercise Program management control over Met Life's multi- year, \$400M Disability Evolution strategic modernization effort. Accountable and responsible for Program Management Office, all application development and delivery cross Product admin and digital capabilities, Financial Reporting, Quality Performance Testing, and Test Data Management comprised of over 300 associates supporting eight different digital capabilities. Key contact interfacing with three primary vendors.

Launched a company-wide project incorporating modern digital software technologies and migration to a new 'cloud platform' for claims administration processes. Strong program management and governance skills facilitated standardized planning, communications, and deployment processes for 200+ application releases spanning 56 applications associated with incremental 'claims ' capability.

- Drove delivery of new Digital Customer Service capabilities allowing Claims Admin processing, Self-service, Call Center, Reporting and Analytics platforms through a master data hub.
- Steered creation of a more efficient operating model through effective collaboration with IT Operations, Engineering, and Security, Finance, Audit, Risk Management, and Sales cross-functional business teams.
- Completed timely on-boarding of more than 100 new customers; realizing hundreds of millions in sales revenue.
- 12 + years' experience in Group Insurance, domain expert in business and IT capabilities
- Leveraged an AGILE framework to define production support models for the new cloud platform.
- Honored recipient of a corporate award for Delivery Excellence.

Vice President, U.S. Shared Services and Retirement Income, Cary, NC (2012 - 2019)

Project and Program leadership and budget oversight of \$50M distributed across U.S. Shared Services division supporting Group Insurance, Retirement and Income, Retail Life and Annuity, and Property and Casualty business. Delivered Digital capabilities via real-time and batch messaging, content management, workflow, correspondence, security, entitlement, product configuration, and rules engines development supporting hundreds of U.S. based projects.

Strong process and release protocols put in place to enable over 200 release annually with minimal impacts to production stability of mission critical functions. Adopted reusable and more cost-effective software solutions, and re-structured 15 business units operating as product silos into 5 cohesive and highly productive units. Reclaimed millions in overhead expense annually. Recognized success of this new model led to replication in Ireland and Latin America countries.

Strong Project and program management skills coupled with, transparency and communication skills enable the successful delivery and implementation to production the following efforts:

- Integrating digital shared services, modern correspondence platform, and real time and file processing capabilities through secured tooling to Majesco/IBM platforms for the 'Small Market' group insurance business.
- Enabled Guidewire and Smart COMM interactive digital solutions across property and casualty administration platforms via aggressively managed plans supporting batch, real-time messaging and modern cloud based correspondence platforms.
- Delivered project to relocate \$50-\$60B book of aged pension business to Vitech, a cloud-based platform.
- Assembled a 'Shared Service Team' in Ireland to share knowledge and standardize processes in the Messaging and Correspondence space accelerating aspects of the shared service model for business locations in Europe

- Pioneered and led implementation of a suite of software tools to mitigate/eliminate potential data breach issues associated with approximately 175K files monthly external file exchanges across 12K clients files supporting critical group capabilities like enrollment, eligibility, billing and claims.

Assistant Vice President, Group Insurance, Somerset, NJ (2010 - 2012)

Originated and deployed first business provided a 'real-time' service-oriented architecture strategy supporting over 20 group insurance products and services. Migrated hundreds of point-to-point services to 40 reusable Realtime services saving millions in costs every year by reduction of future integration costs

Additional Experience

Assistant Vice President, Life Administration Product Development, MetLife, Convent St., NJ

Director, Retail Life and Annuity Remittance Processing, MetLife, Convent St., NJ

Project Manager, Retail Life Sales Office & Underwriting Platforms integration with NLP, MetLife, Bridgewater, NJ

Application Developer / Project Lead, Laser Printing, Contract Generations, MetLife, New York

Education

Bachelor of Science in Computer Science

Marist College, Poughkeepsie, NY

Awards

'MetLife Purpose Award' for extraordinary role model of the company's success principles, 2020

Volunteer

10+ years of Military Mentoring thru American Corporate Partners

Profile

Which Boards would you like to apply for?

Open Space and Parks Advisory Committee: Submitted

Please select your first Board preference: *

☒ Raleigh-Durham Airport Authority

Please select your second Board preference: *

☒ Centennial Authority

Please select your third Board preference: *

☒ Wake County Water Partnership

Please select your fourth Board preference: *

☒ Wake County Water Partnership

Please select your fifth Board preference: *

☒ Wake County Water Partnership

Please select your sixth Board preference: *

☒ Wake County Water Partnership

Gary

First Name

D

Middle
Initial

Hartong

Last Name

7012 Moresham Way

Street Address

Suite or Apt

Wake Forest

City

NC

State

27587

Postal Code

What district do you live in?

None Selected

Mobile: (252) 916-6230

Primary Phone

Business: (919) 828-0531

Alternate Phone

ghartong@thewootencompany.com

Email Address

The Wooten Company

Employer

President

Job Title

If you live in an Extraterritorial Jurisdiction Area, select Yes:

☒ Yes ☐ No

In order to assure countywide representation, please indicate your place of residence:

☒ Unincorporated Wake County

Interests & Experiences

Why are you interested in serving on a Board or Commission?

With over 10 years of volunteer leadership service at local, state and national levels, I am seeking an advisory position where I can listen to issues/concerns, collaborate and strategize with peer advisory members, and contribute value to the residents and businesses of Wake County and the Triangle region. I've lived in the Raleigh and Greenville areas for 30 years, raised 4 daughters here, advocate for state and national infrastructure funding and development initiatives, and want to work to ensure that Wake County and the Triangle remains a competitive and attractive region to educate, work, and reside.

Work Experience

The Wooten Company, Raleigh, NC, 1998-Present (Refer to attached resume)

Volunteer Experience

Town of Wake Forest, NC - Parks, Recreation & Cultural Resources Advisory Board (2019-2022), Chair & Vice Chair American Council of Engineering Companies, National Executive Committee (2021-2023) American Council of Engineering Companies of North Carolina, Executive Committee (2014-2020) Engineering Companies for North Carolina, Board of Governors (2017-2022)

Education

Hoover High School, North Canton, Ohio (1990-1994) NC State University, Raleigh, North Carolina (1994-1998), BS Environmental Engineering NC State University, Raleigh, North Carolina (2003-2009), Master of Civil Engineering

Comments

Third - Sixth Board preferences of Wake County Water Partnership is meant for the Upper Neuse River Basin Association. The UNRBA is not a selectable option.

[Gary_Hartong_Bio__Resume.pdf](#)

Upload a Resume

If you have another document you would like to attach to your application, you may upload it below:

Please upload a file

Demographics

Gary D Hartong

Date of Birth

Gender *

☒ Male

Ethnicity *

☒ Caucasian

Other

How did you become aware of Wake County volunteer opportunities?

☒ County Website

If you selected "Other" above, how?

Please upload a file

ETHICS GUIDELINES FOR COUNTY ADVISORY BOARDS AND COMMISSIONS

By submitting this electronic application, if appointed, I pledge by my signature below that I have read and will comply with the ethics guidelines for advisory boards and commissions as adopted by the Wake County Board of Commissioners, found [here](#).

Gary Hartong, PE, LEED AP, FACEC



BIO

Gary Hartong is President of The Wooten Company, a multi-disciplinary firm with six offices in the Carolinas, headquartered in Raleigh. Wooten provides civil engineering, geomatics and architectural services to public entities, educational institutions, and private industry. A staunch advocate for infrastructure at every level, Gary was elected in January 2021 to Vice Chair of the American Council of Engineering Companies (ACEC) and in March 2023 he was elected to ACEC's College of Fellows. In his formative years, Gary learned from his grandfather about contemporary water disasters and – wanting to guard against them – decided to pursue an Environmental Engineering degree. After earning one from N.C. State, he continued there to complete his Master of Civil Engineering. Gary and his Wife Jess have four daughters and two dogs. As much as possible, they enjoy North Carolina's rivers, lakes, and beaches together.

RÉSUMÉ

Starting with Wooten as an intern, Gary ascended through the firm's ranks over two decades. He now forges a new era of service and growth across the Carolinas and beyond.

25+ Years Experience

President: Jan 2020 – Present

Executive Vice President: Feb. 2015 – Jan. 2020

Greenville Regional Manager: June 2007 – Dec. 2015

Project Engineer: July 2003 – June 2007

Project Engineer Assistant: Dec. 1998 – July 2003

Intern: Jan. 1998 – Dec. 1998

Areas of Expertise

- Engineering Management & Administration
- Funding Strategies
- Water & Wastewater Engineering
- Rate & Fee Studies

Education

- MCE, Civil Engineering (2009)
- BS, Environmental Engineering (1998)

Industry Leadership

American Council of Engineering Companies
Vice Chair • April 2021 – Present

Engineering Companies for North Carolina
Board of Governors • May 2017 – Present

American Council of Engineering Companies of North Carolina
*Board of Directors, Executive Committee
July 2014 – June 2020*

Community Involvement

Town of Wake Forest Parks, Recreation & Cultural Resources (PRCR) Advisory Board
Vice Chair • Jan. 2022 – Dec. 2022

Town of Wake Forest Parks, Recreation & Cultural Resources (PRCR) Advisory Board
Chair • Jan. 2021 – Jan. 2022

Wake Forest Greenways Advisory Board
Board Member • Jan. 2019 – Nov. 2020

Profile

Which Boards would you like to apply for?

Open Space and Parks Advisory Committee: Submitted

Please select your first Board preference: *

☒ Historic Preservation Commission

Please select your second Board preference: *

☒ Yates Mill Park Advisory Board

Please select your third Board preference: *

☒ Library Commission

Please select your fourth Board preference: *

☒ Water Partnership

Please select your fifth Board preference: *

☒ Board of Adjustment

Please select your sixth Board preference: *

☒ City of Raleigh Board of Adjustment

Byron

First Name

Rush-Frazelle

Last Name

Middle
Initial

409 N. East Street

Street Address

Suite or Apt

Raleigh

City

NC

State

27604

Postal Code

What district do you live in?

None Selected

Home: (910) 330-5153

Primary Phone

Home: (910) 330-5153

Alternate Phone

sbfrazelle@gmail.com

Email Address

NC Administrative Office of
the Courts

Employer

Judicial Fellow

Job Title

If you live in an Extraterritorial Jurisdiction Area, select Yes:

☐ Yes ☒ No

In order to assure countywide representation, please indicate your place of residence:

☒ Raleigh

Interests & Experiences

Why are you interested in serving on a Board or Commission?

My wife and I have settled in Raleigh and now that we just got married, we are looking to become more involved in the greater Raleigh area. We both are local government people, I work for the State and my wife works for the City of Raleigh, and we are just looking to get on the ground and do more for our community. Little decisions make a big difference in the daily lives of people, and I would like to join a commission or board in order to make the City and County a better place.

Work Experience

Before I went to law school I had varied experience, primarily working as a copyeditor for a science journal, but also working part-time for the Carrboro Parks and Rec Department, where I helped out with parades, events, and mostly youth sports as a referee and an umpire. I also worked with Theatre Delta and traveled to many colleges and high schools to spread awareness of underage drinking and bystander intervention. In law school, I focused my experiences in local government: While interning with a policy organization, I researched intensively managed retreat and a local government ordinance passed to assist homeowners facing rising seawaters; I interned with the Town of Cary, and worked on several local issues there; and I worked briefly in transactional law both in and after law school, where I learned more about affordable housing transactions and local government's role in those transactions (and also that I do not belong in a transactional private practice). As a Judicial Fellow, I assist trial judges throughout North Carolina on research questions and resolving litigation disputes, and my work in this role has been lauded by many of the judges I have served.

Volunteer Experience

Besides my paid work with the Town of Carrboro as a referee/umpire and with Theatre Delta as an educator, I have volunteered briefly with the Land Loss Prevention Project and worked to develop a memo for local farmers on LLC formation. In law school, I volunteered as the president of Student Legal Services, and provided undergraduate students with legal information to help them make decisions on disciplinary or minor legal issues they would be facing.

Education

UNC-Chapel Hill, BA in Dramatic Arts and Political Science '16; William & Mary Law School, '22

Comments

[S. Byron Frazlle - Resume.pdf](#)

Upload a Resume

If you have another document you would like to attach to your application, you may upload it below:

Please upload a file

Demographics

Date of Birth

Gender *

☒ Male

Ethnicity *

☒ Caucasian

Other

How did you become aware of Wake County volunteer opportunities?

☒ County Website

If you selected "Other" above, how?

Please upload a file

ETHICS GUIDELINES FOR COUNTY ADVISORY BOARDS AND COMMISSIONS

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Byron Rush-Frazelle

S. BYRON FRAZELLE

✉ sbfrazelle@gmail.com | ☎ (910) 330-5153 | 🏠 Raleigh, NC

EXPERIENCE

Administrative Office of the Courts, Raleigh, North Carolina

Judicial Fellow

July 2023 to Present

Routinely assist Superior and District Court judges on quick-turnaround legal questions through research support and drafting orders. Helped resolve discovery disputes through conducting intensive analysis of documents submitted for *in camera* review, including thousands of emails and attorney time records. Supported administration of three-judge panels, including briefing judges ahead of status conferences, calendaring hearings, and drafting orders. Developed primer on § 1-267.1 transfers. Developed and currently administering a monthly Fellowship newsletter sent to all judges and court officials in North Carolina.

Land Loss Prevention Project, Durham, North Carolina

Volunteer

March 2023 to July 2023

Provided research support for a project on the benefits of organizing an LLC for farmers and landowners.

Ellinger & Carr, Raleigh, North Carolina

Associate

May 2022 to March 2023

Developed template loan documents for first-time homebuyer programs for municipalities and non-profit housing organizations. Supported lender's counsel for municipal lenders, including drafting loan documents and reviewing and gathering due diligence materials.

Summer Associate & Clerk

May 2021 to August 2021

Assisted in review of multiple e-discovery materials and prepared memoranda on North Carolina discovery and privilege law to support ongoing contract dispute.

National Agricultural Law Center, Fayetteville, Arkansas

Research Fellow

May 2021 to December 2021

Researched and authored legal bulletin for farmers explaining business formation, including benefits of incorporation.

Town of Cary, Cary, North Carolina

Extern

January 2021 to May 2021

Prepared formal memoranda on municipal property law, including municipal leases and dedication law in North Carolina.

Wetlands Watch, Norfolk, Virginia

Legal Intern

May 2020 to August 2020

Authored a white paper examining coastal conservation easement valuation issues from a landowner perspective. Developed reports on "rolling" easement legislation and examples throughout the country. Created a guide on open space preservation options for local governments.

William and Mary Law School, Williamsburg, Virginia

Research Assistant

June 2020 to July 2020

Developed reports that collated and reviewed tort reform legislation from the 116th Congressional session.

EDUCATION

William & Mary Law School

J.D. May 2022

UNC-Chapel Hill

B.A. May 2016

BAR ADMISSION

North Carolina 2022

Bar ID: 59771

HONORS & AWARDS

William & Mary Law Moot Court

William & Mary Environmental Law and Policy Review

Best Student Note – William & Mary Environmental Law and Policy Review

Student Fellow at William & Mary Center for the Study of Law and Markets

PUBLICATIONS

Alternative Solutions for Government Intervention in Climate Crisis Markets: Price Gouging and the Pandemic Egg Market Case Study, 46 Wm. & Mary Envtl. L. & Pol'y Rev. 283 (2021)

INTERESTS

Philosophy blog (*Turning 30 with Aristotle*); running; Shakespeare's histories; National Women's Soccer League

Profile

Which Boards would you like to apply for?

Open Space and Parks Advisory Committee: Submitted

Please select your first Board preference: *

☒ Raleigh-Durham Airport Authority

Please select your second Board preference: *

☒ Wake Technical Community College Board of Trustees

Please select your third Board preference: *

☒ Open Space and Parks Advisory Committee

Please select your fourth Board preference: *

☒ Wake County Water Partnership

Please select your fifth Board preference: *

☒ Triangle Transit Authority Board

Please select your sixth Board preference: *

☒ Economic Development Commission

Gilbert

First Name

A

Middle Initial

Formyduval

Last Name

4701 Saratoga Falls Ln

Street Address

Suite or Apt

Raleigh

City

NC

State

27615

Postal Code

What district do you live in?

None Selected

Mobile: (919) 737-5420

Primary Phone

Mobile: (919) 737-5420

Alternate Phone

gilbert.formyduval@gmail.com

Email Address

Parker Hannifin

Employer

Process Development Engineer

Job Title

If you live in an Extraterritorial Jurisdiction Area, select Yes:

☐ Yes ☒ No

In order to assure countywide representation, please indicate your place of residence:

☒ Unincorporated Wake County

Interests & Experiences

Why are you interested in serving on a Board or Commission?

I would like to get more involved in my community and contribute to ensure Wake county positions itself for the future and being inclusive of all its citizens

Work Experience

-5 years at Corning Inc as process engineer -2 years at Parker Hannifin as process development enginner

Volunteer Experience

-student mentorship at the college level and graduate level

Education

-B.S. Chemical Engineering, Florida Tech -M.S. Chemical Engineering, NC State -Ph.D Chemical Engineering, NC State

Comments

[Gilbert_Formyduval_v01.pdf](#)

Upload a Resume

If you have another document you would like to attach to your application, you may upload it below:

Please upload a file

Demographics

Date of Birth

Gender *

☒ Male

Gilbert A Formyduval

Ethnicity *

☒ Hispanic

Other

How did you become aware of Wake County volunteer opportunities?

☒ County Website

If you selected "Other" above, how?

Please upload a file

ETHICS GUIDELINES FOR COUNTY ADVISORY BOARDS AND COMMISSIONS

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Gilbert Formyduval (Castillo), PhD

919-737-5420 | gilbert.formyduval@gmail.com | www.linkedin.com/in/gilbertformyduval

Senior Materials Engineer and R&D Leader with 10+ years of engineering, development, and leadership experience in the glass, chemical, and automotive industries. **Deep expertise** polymeric, glass, and ceramic materials and their applications in new product development, manufacturing process development, and scale up. **Highly skilled** in manufacturing process design, failure mode analysis, change management, and risk assessment and mitigation for manufacturing processes. **Global collaborator** and **unifying communicator** with the ability to translate complex scientific concepts for non-technical and business stakeholders. **Bilingual** in English and Spanish.

Career Highlights

Designed New Manufacturing Facility for Thermal Gap Fillers

In two years, designed new manufacturing process (\$60M CapEx) for the continuous manufacturing of thermally conductive gap filler products.

New automated manufacturing facility designed to produce up to 12,000 metric tons per year of gap filler products.

Developed New Material That Saved \$105M in Packaging Costs

Served as technical lead on project to screen coating candidates for glass sheet surface protection during manufacturing. Identified multiple formulations that reduced surface defects (particles, stains, and scratches) by 50% or more.

Leveraged these insights to develop a new glass interleaf material that achieves these results while also reducing packaging costs by 90% per year, equating to \$105M spend.

Executed Multiple Continuous Improvement Initiatives

In five years, took the lead on several process improvement initiatives. Notable projects include:

- ✓ Improved coating curing process, resulting in \$1.5M/year savings for the optical communications business.
- ✓ Scaled up production of key automotive parts, which reduced cycle time by 80%.
- ✓ Increased annual revenue by approx. \$1M by developing a fixturing system to improve yield and quality of automotive interior glass panels.

Professional & Research Experience

PARKER HANNIFIN, Cary, NC

Process Development Engineer, 04/2022 to present

Led engineering team in the process engineering group for development and scale up of continuous manufacturing of thermally conductive silicone and urethane gap fillers. Delivered technical feasibility of manufacturing technology at pilot scale and process design of large-scale production.

- Delivered pilot-scale manufacturing line capable to produce thermally conductive silicone and urethane gap fillers that met customer specifications; identified critical equipment and process parameters for optimal gap filler production
- Developed large-scale manufacturing process, specified manufacturing equipment and facility requirements, conducted vendor equipment trials, and performed equipment vendor selection
- Implemented controls engineering capability that allows for statistical process control and fundamental understanding of process impacts on key product characteristics

CORNING INCORPORATED, Corning, NY

Supervisor/Sr. Process Engineer, Surface Engineering, 08/2019 to 04/2022

Process Engineer, Surface & Coating Engineering, 07/2017 to 08/2019

Bridged the science, engineering, and R&D groups to support the display technology, specialty materials, pharmaceutical, and automotive glass solutions business units. Led team of four (scientist, two engineers, and technician).

- Led coating formulation development projects for glass products as well as development of large-scale coating application processes
- Optimized manufacturing processes for better yield, cycle time, product quality, cost effectiveness, and customer satisfaction, with a focus on resolving issues related to coatings, surface contaminants, and surface defects
- Worked in close collaboration with global, peers in engineering and science disciplines located in North America, Europe, and Asia plant sites, as well as suppliers (raw materials and equipment) and major customers
- Managed cross-functional project teams and direct reports

NORTH CAROLINA STATE UNIVERSITY, Raleigh, NC

Polymer Research Scientist (Graduate Researcher), 08/2012 to 05/2017

With industrial partner (Eastman Chemical Company), led a multiyear project to develop a more sustainable, low-cost method for producing multifunctional surfaces.

- Designed coating system for use as a platform for surface functionalization of polyesters, based on structure-property relationships of polyester materials
- Utilized general surface characterization tools (e.g., fluorescence microscopy, XPS, AFM, FTIR, and TOF-SIMS), analytical chemistry techniques (e.g., LC-MS, GC-MS, and NMR), and laboratory methods (e.g., spin-coating, dip-coating, thin-layer chromatography, and re-crystallization purification methods)
- Coating system improved solvent resistance of polyester material, prevented solvent-induced crystallization, and improved scratch resistance

Continued next page

Honors & Awards

- ✓ 1st Place Winner, Schoenborn Graduate Research Symposium, NC State University, 2017
- ✓ Winner, [Three-Minute Thesis Public Speaking Contest](#), NC State University, 2016
- ✓ Corning GEM Graduate Fellowship, 2013
- ✓ Congress-Bundestag Fellowship for Young Professionals, 2011
- ✓ NASA Motivating Undergraduates in Science and Technology (MUST) Scholar, 2008 to 2011
- ✓ Horatio Alger Scholar, 2007
- ✓ American Chemical Society Scholar, 2007

Patents

- ✓ [Engineering paper for flat panel display surface protection](#) (WO2022245608A1 Filed 2022)
- ✓ [Surface-modified polymers](#) (U.S. 20190185620A1, Filed 2019)
- ✓ [Textured glass articles and methods of making the same](#) (U.S. 11485677B2, Granted 2022)
- ✓ [Surface-modified polymers](#) (U.S. 20190225746A1, Filed 2016)
- ✓ [Compact electronic security locker system](#) (U.S. 20090033456A1, Filed 2007)

Certification & Licensure

- ✓ Engineering Intern, Florida Board of Professional Engineers, 2011
- ✓ Situational Leadership, The Ken Blanchard Companies, 2021
- ✓ Leading Engaged Teams, The Wiseman Group, 2021
- ✓ Six Sigma DMAIC Green Belt, Corning, 2019

Additional Experience

EASTMAN CHEMICAL COMPANY, Kingsport, TN

Co-Op, Cellulose Ester Applications Innovations, 08/2015 to 12/2015

Investigated structure-property relationship of cellulose esters to tailor material for various applications, including flame retardants and fragrance release materials. Developed a low-cost, non-toxic flame retardant formulation for cellulose esters.

CORNING INCORPORATED, Corning, NY

Intern, Display Technologies, Product & Process Development, 05/2013 to 08/2013

Investigated glass surface treatments to minimize electrostatic discharge events, including development of a metrology method to measure electrostatic discharge on glass surfaces.

BASF SE, Ludwigshafen, Germany

Co-Op, Energy Conversion & Storage, Electrochemical Research, 02/2012 to 06/2012

Developed a carbon electrode that was less prone to corrosion, thus extending fuel cell battery life. Determined the mechanism of carbon electrode corrosion in fuel cell batteries. Installed corrosion testing apparatus for fuel cell electrodes.

NASA | Goddard Space Flight Center, Greenbelt, MD

Intern, Contamination & Coatings Engineering, 06/2010 to 08/2010

Part of the team that developed a conductive thermal coating system for spaceflight applications, including optimizing an application technique that improved adhesion of thermal protective coating to the surface of composite materials.

NASA | Ames Research Center, Mountain View, CA

Intern, Prognostics Center of Excellence, 06/2009 to 08/2009

Designed and conducted experiments using electrochemical impedance spectroscopy to predict end-of-life of lithium-ion batteries. Contributed to efforts to manufacture samples and setup of testing apparatus to predict failure of carbon composites used in aviation.

Publications

Castillo, G.A., Efimenko, K., Dickey, M.D., Gorman, C.B., & Genzer, J. (2021). Deposition of Silicate Coatings on Poly(ethylene terephthalate) for Improved Scratch and Solvent Resistance. *Journal of Applied Polymer Science*, 139(11).

Joshipura, I.D., Ayers, H.R., **Castillo, G.A.,** Ladd, C., Tabor, C.E., Adams, J.J., & Dickey, M.D. (2018). Patterning and Reversible Actuation of Liquid Gallium Alloys by Preventing Adhesion on Rough Surfaces. *ACS Applied Materials & Interfaces*, 10(51).

Castillo, G.A., Wilson, L., Efimenko, K., Dickey, M.D., Gorman, C.B., & Genzer, J. (2016). Amidation of Polyesters is Slow in Nonaqueous Solvents: Efficient Amidation of Poly(ethylene terephthalate) with 3-Aminopropyltriethoxysilane in Water for Generating Multifunctional Surfaces. *ACS Applied Materials & Interfaces*, 8(51).

Education

NORTH CAROLINA STATE UNIVERSITY, Raleigh, NC

Doctor of Philosophy (PhD) in Chemical Engineering

Dissertation: ["Surface Modifications and Functional Silicate Coatings for Polyesters and Cellulose Esters"](#) (Full text available at link)

Master of Science (MS) in Chemical Engineering

FLORIDA INSTITUTE OF TECHNOLOGY, Melbourne, FL

Bachelor of Science (BS) in Chemical Engineering