

Profile

Which Boards would you like to apply for?

Energy Advisory Commission: Submitted

Please select your first Board preference: *

None Selected

Please select your second Board preference: *

Industrial Facilities and Pollution Control Financing Authority

Please select your third Board preference: *

Water Partnership

Please select your fourth Board preference: *

Human Services Board

Please select your fifth Board preference: *

Planning Board

Please select your sixth Board preference: *

None Selected

William

First Name

Middlebrook

Last Name

Middle Initial

410 Oakridge Rd

Street Address

Suite or Apt

Cary

City

NC

State

27511

Postal Code

What district do you live in?

None Selected

Home: (630) 956-6329

Primary Phone

Home: (630) 956-6329

Alternate Phone

will.d.middlebrook@gmail.com

Email Address

NTT Data

Employer

Senior Manager, Data and AI

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:

Cary

Interests & Experiences

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

I am looking for opportunities to serve my community, and I think my skills and experience could be a great fit. The triangle is an engine of economic mobility for our region, and increasingly our nation. With good planning, community engagement and partnerships, I believe we will grow into an economic powerhouse that will also lead country in quality of life and affordability. I hope to participate in making this happen.

Work Experience

I am a geologist by training and have worked in energy technology my entire career. My first job was an environmental consultant helping remediate superfund sites at abandoned mining sites in Colorado and since then have worked in geothermal, wind, oil and gas, and utility industries and am proud of the work I have done to provide energy more economically, safely, and to enable a faster energy transition. A couple of highlights below: 1. Led the development of smart grid technology at a major utility, resulting in increased transmission for renewables and reduced public risk due to low wires 2. Developed a battery storage multi-year demand forecast for an international wind company, enabling them to deploy capital to markets that need grid balancing the most 3. Predictive Asset Management, optimizing inspections for less power outages and reduced cost to public

Volunteer Experience

1. Started the Young Energy Professionals section of the Houston Geological Society (1 year)
2. Young Professionals for Child Advocates (5 years)
3. Houston Election Clerk Volunteer (2020 election)

Education

Wheaton College, Bachelors Geology Texas A&M, Masters Geology

Comments

[Will_Middlebrook_Bio.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

William Middlebrook

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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WILL MIDDLEBROOK

SENIOR MANAGER | DATA AND AI

Will has deep experience in the operations of capital-intensive businesses, both in office and the field. Will's data projects have reduced costs, empowered engineers with the data and tools needed to make data-informed decisions and reduced uncertainty.

Having started his career in upstream oil and gas operations, Will brings a unique perspective that is laser focused on delivering data-driven products that impact the bottom line.

KEY AREAS OF EXPERTISE

Transmission and Distribution

- Created an industry-leading decision platform for engineering teams that integrated asset data, predictive failure rates, risk scores and a user interface for strategic distribution asset repair and replacement.
- Developed dynamic line ratings for all transmission assets in a utilities service territory using super computing forecasts and cable specifications, resulting in reduced safety risk and increased transmission capacity the majority of the time.

Generation and Trading

- Regression models using customer transaction data resulting in predictive trading signals data product. Estimated ~1.5 million in revenue in first year.
- SARIMAX time series and simulation models forecasting demand and simulating potential futures in power markets out to 2050 as part of a \$500k consulting engagement.
- Predictive modeling data product resulting in higher confidence sales estimates for five contributor member companies (Regression, Random Forest).

Upstream Oil and Gas

- Pre-drill oil and gas modeling, resulting in 5 year oil-to-sales for both planned and potential wells, enabling high-precision planning and portfolio planning.
- Machine learning depth-series (Random Forest, regression) data product valued that reduced uncertainty and fed a decision engine for the business

Additional Expertise

- Asset Failure Classification
- Geospatial Prediction (Kriging)
- Time-Series Market Simulation
- Anomaly Detection
- Pre-drill production forecasting

Client and Industry Experience

- Transmission and Distribution
- Power Generation
- Ancillary Services Markets
- Upstream Oil and Gas
- Commodity Trading

Education & Certifications

- Texas A&M University, **Masters of Science in Geology**
- Wheaton College, **Bachelors in Geology**
- AWS Certified **Cloud Practitioner**

Profile

Which Boards would you like to apply for?

Energy Advisory Commission: 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 engineer

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

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Please upload a file

Demographics

Date of Birth

Gender *

Male

Gilbert A Formyduval

Ethnicity *

Hispanic

Other

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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

Profile

Which Boards would you like to apply for?

Energy Advisory Commission: Submitted

Please select your first Board preference: *

Citizen's Energy Advisory Commission

Please select your second Board preference: *

Open Space and Parks Advisory Committee

Please select your third Board preference: *

Yates Mill Park Advisory Board

Please select your fourth Board preference: *

Keep America Beautiful Advisory Board

Please select your fifth Board preference: *

Water Partnership

Please select your sixth Board preference: *

Apex Planning and Zoning Board

Mark

First Name

Schwegel

Last Name

Middle Initial

3440 Olive Glen Drive

Street Address

Suite or Apt

Apex

City

NC

State

27502

Postal Code

What district do you live in?

District 3

Mobile: (919) 664-4587

Primary Phone

Home: (919) 285-0750

Alternate Phone

mbschwegel@gmail.com

Email Address

Trilliant Networks

Employer

Project 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:

Apex

Interests & Experiences

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

I have served in the past and would like to serve again.

Work Experience

Trilliant Networks; Director, Projects United States 2023-Present CommScope; Program Manager 2021-2023 Landis and Gyr; Senior Project Manager 2018-2021 Itron; Program Manager; Program Manager 2017-2018 Sensus Metering; Project Manager 2015-2017 Siemens-Smart Grid; Project Manager 2012-2015 Elster/EnergyICT; Senior Project Manager 2011-2012 Aviat Networks (Formerly Harris-Stratex and Harris MCD); Project Manager 2008-2011 Harris Corporation; Network Planning Engineer (Implementation Manager) 2006-2008 Advancia Corporation; Senior Systems Engineer 2003-2006 Harris Corporation; Electrical Engineer 1995-2003 United States Air Force 1978-1995

Volunteer Experience

Wake County - Energy Advisory Commission (2015 - 2021) Wake County - Open Space and Parks Advisory Commission (2012 - 2021) Lutheran Social Services of Alaska; Board of Directors 2002-2006 Lutheran Church of Hope Council Member 1996-2001 BSA Asst. Scout Master T215 - 1994-2001 BSA Committee Member T152 - 2013-Present

Education

MIDWESTERN STATE UNIVERSITY~ M.A.~ Public Management and Political Science WAYLAND BAPTIST UNIVERSITY~ B.S.~ Business Administration and Vocational Education;A.S.~ Electronics Technology COMMUNITY COLLEGE OF THE AIR FORCE~A.S.~ Instructor Technology

Comments

[Mark_Schwegel_Resume_2024.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

Mark Schwegel

Date of Birth

Gender *

Male

Ethnicity *

Caucasian

Other

How did you become aware of Wake County volunteer opportunities?

Other

If you selected "Other" above, how?

I have served in the past

Please upload a file

ETHICS GUIDELINES FOR COUNTY ADVISORY BOARDS AND COMMISSIONS

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QUALIFICATIONS PROFILE

Seasoned, experienced, highly motivated and results-driven Program/Project/Portfolio Manager; completing projects using traditional waterfall, Agile, and a hybrid of both waterfall and Agile methodologies. Successfully led projects on five continents, over 24 countries utilizing multi-national, multicultural teams across the globe. Knack for 'turning around' failed projects (lumps of coal) into successful/profitable projects (diamonds). Strategic, innovative, proven leader who thrives on challenge and the opportunity to excel and deliver. Able to work independently or in a team environment handling complex assignments with efficiency. Creative problem solver, with a keen attention to detail and quality. Independent worker with a high degree of initiative and motivation to serve client needs.

KEY STRENGTHS

- Leadership;
- Client Needs Analysis/Requirements Gathering;
- Able to simplify and communicate complex problems and solutions;
- Relationship Building/Repair;
- Strategic Planning;
- Excellent presentation and communications skills, effective writer and contract negotiator.

SKILLS

- Successfully manages a portfolio of projects that includes both internal and external customers with value up to \$35M.
- Responsible for the P&L and managing the set margins with an eye on opportunities to improve/increase the margins.
- Accountable for all project management activities related to all assigned projects, serving as the customer's single point of contact.
- Utilize PMI principles & processes for the management of all assigned projects: Initiation, Planning Execution, Controlling and Closing.
- Manage and drive customer expectations and satisfaction through project performance (cost, quality, and schedule).
- Develop and write Statements of Work (SOW), Methods of Procedure (MOP), Request for Quote (RFQ), Basis of Estimate (BOE), and Change Orders.
- Wrote and published Implementation Service Plans detailing the implementation plan for the installation.
- Develop and maintain detailed project plans using Microsoft Project 2010.
- Develop and maintain resource plan and obtain buy-in from line managers, manage and supervise project resources to include internal and external contractors, field (RF) engineers, software development engineers, IT staff, supply, and finance staff.
- Interview, hire, and train project teams.
- Report technical, financial, and schedule performance to customer and internal management.
- Actively manage scope changes and risks through rigorous change and risk management processes.

PROFESSIONAL EXPERIENCE

Trilliant Networks; Director, Projects United States

June 2023 - Current

Delivery of strategic business and technology solutions that will benefit the US energy industry.

CommScope; Program Manager Mobility Solutions

January 2021 – May 2023

Responsible for the successful development, delivery, and implementation of 5G networks.

CommScope; Project Manager Broadband Networks Supply Chain

January 2021 – December 2021

Responsible for the successful delivery, and implementation of multiple factory (fiber) lines, and modifications and upgrades to existing lines.

Landis and Gyr; Senior Project Manager

April 2018 – January 2021

Responsible for the successful development, delivery, and implementation of an integrated Meter Data Management Systems (MDMS) and Energy Management solutions.

Itron; Program Manager

April 2017 – April 2018

Responsible for the successful development, delivery, and implementation of Itron's Riva AMI Solution.

Sensus Metering; Project Manager

April 2012 – April 2017

Responsible for the successful development, delivery, and implementation of Sensus' Regional Network Interface (RNI) AMI solution.

Siemens/Omnetric; Project Manager
Responsible for the successful development, delivery, and implementation of an integrated Meter Data Management. October 2012 – April 2015

EnergyICT/Elster; Senior Project Manager
Responsible for the successful development, delivery, and implementation of an integrated Meter Data Management. April 2011 – October 2012

Aviat Networks (Formerly Harris-Stratex & Harris MCD); Project Manager
Responsible for the successful development, delivery, and implementation of microwave communications system/solutions. March 2008 – April 2011

Harris Corporation; Network Planning Engineer (Implementation Manager East Region)
Managed all aspects of the installation of the new system including scheduling, engineering design, manpower allocation, monitored contractor for compliance of specifications. February 2006 – March 2008

Advancia Corporation; Senior Systems Engineer
Utilized knowledge of engineering design, installation, monitoring, maintenance, and repair of FAA's ANICS system October 2003 – January 2006

Harris Corporation; Electrical Engineer
Team member of project engineers testing and commissioning FAA Satellite earth stations in Alaska. April 1995 – October 2003

United States Air Force

- Elmendorf AFB Alaska -Antenna Maintenance Supervisor
- Sheppard AFB Texas - Technical Training Instructor
- Minot AFB North Dakota - Communications Job Control Center Supervisor
- Griffiss AFB New York, Lindsey AS Germany, Minot AFB North Dakota - Antenna/Telephone Outside Plant Installation Technician

VOLUNTEER

- Wake County North Carolina - Open Space and Parks Advisory Commission (2012 - 2021)
- Wake County North Carolina – Energy Advisory Commission ((2015 - 2021)
- Lutheran Social Services of Alaska; Board of Directors (2002 – 2006)

EDUCATION

MIDWESTERN STATE UNIVERSITY, Wichita Falls, Texas

- M.A., Public Management and Political Science

WAYLAND BAPTIST UNIVERSITY, Plainview, Texas

- B.S., Business Administration and Vocational Education
- A.S., Electronics Technology

COMMUNITY COLLEGE OF THE AIR FORCE

- A.S., Instructor Technology

CERTIFICATIONS

- Project Management Professional PMP
- FCC – License (General Radiotelephone Operator)
- Siemens - Seminar for Project Managers (PRL-E)
- Siemens - Project Management Planning and Simulation (PMPLS-IS-E)
- Sanford Advanced Project Management – Managing Without Authority

Profile

Which Boards would you like to apply for?

Energy Advisory Commission: Submitted

Please select your first Board preference: *

Citizen's Energy Advisory Commission

Please select your second Board preference: *

Economic Development Commission

Please select your third Board preference: *

Agricultural Advisory Board

Please select your fourth Board preference: *

Keep America Beautiful Advisory Board

Please select your fifth Board preference: *

Council on Fitness and Health

Please select your sixth Board preference: *

City of Raleigh Planning Commission

Ty

First Name

McFarland

Last Name

Middle Initial

8203 Green Lantern St Apt 107

Street Address

Suite or Apt

Raleigh

City

NC

State

27613

Postal Code

What district do you live in?

None Selected

Home: (801) 362-1311

Primary Phone

Home: (801) 362-1311

Alternate Phone

tymcfarland14@gmail.com

Email Address

NC League of Conservation Voters

Employer

Director of Communications

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 recognize how Boards and Commissions shape the place we live in and the quality of life that communities have. I want to see more economic, energy, and climate justice for more North Carolinians, and I believe my proven skills in communication, as well as environmental and energy policy, enable me to serve my community. I want to help bring clean energy investments to our city and state and help us meet our climate goals to protect the planet for my generation and for generations to come. I love NC. I want to make sure everyone can live, play, and do business here.

Work Experience

Director of Communications (NC League of Conservation Voters) Botanist (U.S. Forest Service) Gymnastics Coach (Arete + Triumph Gymnastics) Programming Assistant (Oceans @ Duke)

Volunteer Experience

President of Nicholas Queer Network at the Nicholas School of the Environment at Duke University (2021-23) Zookeeper Aide Utah's Hogle Zoo (2018-19) Volunteer at Courage Reins (Org in Utah helping kids with special needs to ride horses)

Education

Master of Environmental Management Duke University (2023) Certificate in Community-Based Environmental Management (2023) B.S. in Biodiversity and Conservation B.Y.U (2020) Certificate in Advance Spanish Fluency (2020)

Comments

[Resume_Ty.pdf](#)

Upload a Resume

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Please upload a file

Demographics

Date of Birth

Gender *

Male

Ethnicity *

Caucasian

Other

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County Website

If you selected "Other" above, how?

Please upload a file

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TYLER DUKE MCFARLAND

Durham, NC | tymbcfarland14@gmail.com | (801) 362-1311
linkedin.com/in/tdukem

EDUCATION

Duke University

Durham, NC

Master of Environmental Management- Ecosystem Science and Conservation

May 2023

Brigham Young University

Provo, UT

Bachelor of Science in Biodiversity and Conservation

Graduated April 2020

PROFESSIONAL EXPERIENCE

NC League of Conservation Voters, NC League of Conservation Voters Foundation

May 2023 – Present

Director of Communications and Membership, Raleigh, NC

Full Time

- Oversee all official communications for one of the most influential environmental and political organizations in North Carolina, as well as the communications for the community-based programs under the Foundation.
- Collaborate and compose environmental and compelling submissions for relevant, substantial grants, including the construction of budgets and timelines for awarded grants.
- Create and distribute consistent, artistic, and appropriate infographics, emails, and webpages through Canva, email databases; Hootsuite; and Adobe, Apple, Google, and Windows platforms and apps to promote environmental education and advocacy.
- Work alongside communities to advocate for environmental and social justice through various communication strategies including official testimony, videos on and offline, and Op-Eds and LTE articles.
- Develop and maintain professional relationships with reporters and news outlets to share the best available information on environmental issues and North Carolinian communities with which our organizations work.

Oceans@Duke, Duke University

November 2021 – May 2023

Programming Assistant, Durham, NC

Part Time

- Collaborate and compose environmental based case studies and compelling submissions for relevant, substantial grants, including the construction of budgets and timelines for awarded grants.
- Create and distribute consistent, artistic, and appropriate infographics, emails, and webpages through Canva, Mailchimp, and WordPress to promote, facilitate, and conduct meetings, webinars, and summits covering topics such as climate, blue economy, and justice and equity.
- Record, transcribe, publish, and promote monthly webinars across various media platforms, as well as conduct weekly webpage/website updates and maintenance.
- Attend, mediate, and summarize weekly meetings with various stakeholders across all 12 schools at Duke University, including administrators, contributing faculty and student groups.

Charles Darwin Foundation

August 2022 – Present

Master Student Project Manager, Puerto Ayora, Ecuador (Remote)

Part Time

- Scheduled, facilitated, and oversaw 50+ in-person and/or online meetings with 3 master students and 6+ employees from the foundation. Created and sent agendas for these meetings, as well as followed up in between meetings on action items and next steps.
- Conducted a secondary analysis on the availability of fish in the Galapagos Islands, including species conservation status and total catch data; exports and imports; residents' perceptions of fish availability; and fish consumption and preference of permanent residents and tourists.
- Produced a comprehensive toolkit, protocol, and related limitations to assess food security from year to year on the various islands, within various fisheries and fish stocks, and with differing species and/or fish groups.
- Wrote and conducted interviews of permanent residents and fisheries stakeholders across the Galapagos Archipelago in both Spanish and English. Analyzed these interviews and incorporated in the final report.
- Presented findings, recommendations, and deliverables to 100+ people in various professional audiences.

Environmental Law and Policy Clinic, Duke Law

August 2022 – December 2022

*Science Consultant, Durham, NC**Part Time*

- Provided relevant research and data on air quality from the most recent science, case studies, and federal, state, and local laws to consult our client on the best environmental monitoring practices and legal strategies.
- Compiled and wrote an addendum to a Title VI complaint to the Environmental Protection Agency on behalf of an environmental justice community under the supervision of the senior attorney providing clear scientific findings to support the claims.
- Attend, facilitate, and conduct meetings and interviews with disadvantaged community members about their health, interactions with businesses and state agencies, and experiences of discrimination. Represent and reflect these experiences and people in the addendum.

U.S. Forest Service, Uintah Wasatch Cache National Forest

August 2020- August 2021

*Plant Technician, Pleasant Grove, UT**Full Time*

- Searched, identified, and eliminated 10+ noxious weed species covering hundreds of miles of the Uintah-Wasatch-Cache National Forest through 3 different methods and created exclosures and management plans for listed sensitive/threatened species.
- Mapped, logged, and depicted treatment areas via national databases, spreadsheets for hundreds of physical and digital records.

VOLUNTEER & LEADERSHIP EXPERIENCE**Ocean Everblue**

April 2018- Present

Research Team, Board Member, Translator

- Perform marine content research and create interactive and informational content for email listservs, webinars, newsletters, and social media posts.
- Create, revise, collaborate, and edit documents over multiple platforms for grant proposals, fundraising campaigns, and bylaws and development. Present organization at nationwide meetings and conferences.
- Advocate for local and federal ocean policies by scheduling and attending meetings with federal and local government officials and their teams.

Nic Queer Network

August 2021- Present

President, Treasurer

- Plan, promote, and collaborate with various LGBTQ+ organizations for activities including tabling events, pride march, petition signings, and community education and bonding.
- Create, propose, defend, and follow strict budgets that benefit the LGBTQ+ community at the Nicholas School and different LGBTQ+ groups and organizations across Duke University campus.
- Reinvigorate the network after Covid-19 quarantine by reaching out to individuals and groups at Duke University, including alumni, as well as local Durham organizations to plan and carry out community outreach projects.

CERTIFICATIONS**Power Boards & Commissions for Democracy**

Expected October 2024

Boards & Commissions Fellowship

Duke University

Community Based Environmental Management

2023

Brigham Young University

Advanced Spanish Certificate

2020

Profile

Which Boards would you like to apply for?

Energy Advisory Commission: Submitted

Please select your first Board preference: *

Citizen's Energy Advisory Commission

Please select your second Board preference: *

Historic Preservation Commission

Please select your third Board preference: *

None Selected

Please select your fourth Board preference: *

None Selected

Please select your fifth Board preference: *

None Selected

Please select your sixth Board preference: *

None Selected

Dustin

First Name

Ingalls

Last Name

Middle Initial

711 E 3rd St

Street Address

Suite or Apt

Wendell

City

NC

State

27591

Postal Code

What district do you live in?

District 5

Home: (919) 368-6802

Primary Phone

Home: (919) 368-6802

Alternate Phone

dustin.ingalls@gmail.com

Email Address

Environmental Defense Fund

Employer

Director of Political Programs

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:

Wendell

Interests & Experiences

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

I've been working in the environmental advocacy space for over 6 years, and want Wake County to be a leader in reducing waste, preserving, reusing, and recycling resources, and boosting clean energy, energy efficiency, and composting. I also live in an 83-year-old home and have an interest in history.

Work Experience

Work and volunteer experience and education can be found at:
<https://www.linkedin.com/in/dustin-ingalls>

Volunteer Experience

Education

Comments

I am particularly interested in potential 2024 vacancies on the Energy Advisory Commission.

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

Dustin Ingalls

Ethnicity *

Caucasian

Other

How did you become aware of Wake County volunteer opportunities?

Other

If you selected "Other" above, how?

Speaking to Matt Calabria

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](#).

Profile

Which Boards would you like to apply for?

Energy Advisory Commission: Submitted

Please select your first Board preference: *

Citizen's Energy Advisory Commission

Please select your second Board preference: *

Citizen's Energy Advisory Commission

Please select your third Board preference: *

Citizen's Energy Advisory 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

Karen
First Name

A
Middle Initial

Ralph
Last Name

2714 Clark Avenue
Street Address

Suite or Apt

Raleigh
City

NC
State

27607
Postal Code

What district do you live in?

None Selected

Mobile: (919) 917-3205
Primary Phone

Mobile: (919) 828-6171
Alternate Phone

karen.ralph@duke-energy.com
Email Address

Duke Energy
Employer

Regulatory
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?

In my capacity at Duke Energy I am well suited to advocate for consumers as well as energy suppliers. I have an inside map of resources within Duke Energy and other energy providers in the State that I can bring and use as resources.

Work Experience

I have worked in regulatory affairs, investor relations, audit services, accounting and various other capacities while being employed by CP&L/Duke Energy over 25 years.

Volunteer Experience

Rose Garden Volunteer, former Chair of the Alter Guild of Sacred Heart Cathedral

Education

BS Business-Butler University-Indianapolis, IN/ Licenses CPA and Certified Audit Accountant

Comments

I welcome the opportunity to work with our customers, our administration and our elected officials to facilitate resolutions, explore opportunities and solve problems within the energy sector

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 *

Female

Ethnicity *

Caucasian

Other

How did you become aware of Wake County volunteer opportunities?

Other

If you selected "Other" above, how?

My Husband suggested it

Please upload a file

ETHICS GUIDELINES FOR COUNTY ADVISORY BOARDS AND COMMISSIONS

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