

**Privacy Notice**

I hereby acknowledge that the information I provide in this application is subject to disclosure pursuant to the North Carolina Public Records Laws, and that I provide the information contained in this application freely and voluntarily, and that by submitting my application to Wake County I consent to such disclosure pursuant to the North Carolina Public Records Laws, and that I waive and release Wake County, its agents, employees and elected and appointed officials, from any liability related to disclosure of any information provided herein.

**Profile**

**Which Boards would you like to apply for?**

Design Review Commission (formerly known as City of Raleigh Appearance Commission):  
Submitted

**Please select your first Board preference: \***

City of Raleigh Planning Commission

**Please select your second Board preference: \***

Library Commission

**Please select your third Board preference: \***

Wake County Water Partnership

**Please select your fourth Board preference: \***

Water Partnership

**Please select your fifth Board preference: \***

City of Raleigh Board of Adjustment

**Please select your sixth Board preference: \***

Historic Preservation Commission

Ryan  
First Name

Middle  
Initial

McCune  
Last Name

2704 Verde Dr  
Street Address

Apt D  
Suite or Apt

Raleigh  
City

NC  
State

27603  
Postal Code

**What district do you live in?**

None Selected

Mobile: (717) 676-7023

Primary Phone

Home: (717) 676-7023

Alternate Phone

mccune.rt@gmail.com

Email Address

NC State University

Employer

Graduate Research Assistant

Job Title

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

Yes  No

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

Raleigh

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## Interests & Experiences

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

I am a young professional attending graduate school at NC State University and have enjoyed living in Wake County for the last four years. I took active roles volunteering in my prior residential area and would love to get more involved in volunteering in Wake County as I intend to make this my permanent home. I have an extensive background in civil and environmental engineering which I believe sets a strong foundation for understanding the role of and serving on many of the citizen advisory boards.

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## Work Experience

I have had several experiences in private engineering consulting and design with private civil engineering and landscape architecture firms. I am currently a full-time engineering researcher at NC State University pursuing a PhD in civil engineering.

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## Volunteer Experience

Recently in the area I have volunteered with AventWest Children's Mentorship Program and Wake County Big Sweeps.

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## Education

BS Civil Engineering - University of Delaware  
BS Environmental Engineering - University of Delaware  
Masters of Civil Engineering - NC State University  
Currently enrolled PhD Civil Engineering - NC State University

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## Comments

I know that I am a young volunteer for several of these boards, but I have a genuine interest and passion in local government involvement. I am originally from Pennsylvania and my mother worked for our local government for 40 years, so attending meetings and taking active interest and roles in our local area was ever present. I would love the opportunity to be more active in Wake County and provide my time in service to the community.

[RyanMcCune.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

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## Demographics

Date of Birth

## Gender \*

Male

## Ethnicity \*

Caucasian

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## 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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## 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](#).

# RYAN THOMAS McCUNE, E.I.T.

+1 (717) 676-7023 · ryan@rmccune.io

rmccune.io

Department of Civil, Construction, and Environmental Engineering  
North Carolina State University · 915 Partners Way, Raleigh, NC, 27695-7908

## EDUCATION

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<b>Ph.D. Civil Engineering</b>	Expected 2027
North Carolina State University	Raleigh, NC
<i>Concentration in Coastal Engineering</i>	
<b>Master of Civil Engineering</b>	2025
North Carolina State University	Raleigh, NC
<i>Concentration in Coastal Engineering</i>	
<b>Honors Bachelor of Environmental Engineering with Distinction</b>	2022
University of Delaware	Newark, DE
<i>Thesis: Potential Impacts of Soil Aging on TDR Calibrations of Biochar Amended Urban and Coastal Soils</i>	
<b>Honors Bachelor of Civil Engineering</b>	2022
University of Delaware	Newark, DE
<i>Concentration in Facilities Design and Construction</i>	

## PROFESSIONAL EXPERIENCE

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**Graduate Research & Teaching Assistant** 2022-present  
*Dept. of Civil, Construction, and Environmental Engineering, NC State University* Raleigh, NC

- Investigate chronic "sunny day" flood hazards by developing high-resolution coupled simulations using SFINCS and ADCIRC numerical models.
- Architect custom Python workflows on High-Performance Computing (HPC) systems to process geospatial data and automate model forcing.
- Collaborate within the interdisciplinary "Sunny Day Flooding Project," integrating physical hydrodynamic modeling with social impact data to characterize regional flood risk.
- Mentor undergraduate researchers, providing technical training in Python programming and semantic image segmentation to support independent inquiry.
- Delivered annual guest lectures for the Introduction to Coastal Engineering course and facilitated semester-long student success through technical office hours and assessment.

**Research Intern** 2022  
*United States Geological Survey* St. Petersburg, FL

- Leveraged MATLAB to analyze high-frequency imagery from the USGS coastal camera network, utilizing statistical techniques to extract and quantify wave runup parameters.
- Transformed raw optical data into actionable hydrodynamic metrics to support coastal change research.

**Engineering Intern** 2020-2022  
*Coastal Resilience Design Studio, University of Delaware* Newark, DE

- Achieved First Place in the Coastal & Estuarine Research Federation (CERF) national design competition for an innovative, resilience-focused coastal infrastructure proposal.
- Developed community-informed conceptual designs for public infrastructure within a multi-disciplinary team of landscape architects, policy analysts, and engineers to integrate technical constraints with aesthetic and regulatory requirements.

**Undergraduate Research Assistant** 2018-2022  
*Dept. of Civil & Environmental Engineering, University of Delaware* Newark, DE

- Investigated the hydraulic performance of biochar-amended soils for stormwater filtration, performing sensor calibrations using Time Domain Reflectometry (TDR) probes.
- Conducted independent laboratory analysis to quantify the Electron Reduction Capacity (ERC) of biochar substrates for environmental remediation applications.
- Supported transportation planning studies by deploying JAMAR counters to capture and analyze field traffic volume data.

**Engineering Intern** 2020-2021  
*C.S. Davidson, Inc.* York, PA

- Analyzed historical state contract datasets to develop updated unit price schedules, directly improving the accuracy of cost estimation and bidding for future municipal projects.
- Conducted technical reviews of land development plans to ensure compliance with municipal ordinances, zoning codes, and stormwater regulations.
- Performed field operations including precision field surveys and stormwater BMP inspections to verify construction quality and document existing infrastructure conditions.

**Engineering Intern** 2019  
*Manchester Township* York, PA

- Established a digital inventory of over 300 stormwater Best Management Practices (BMPs) by migrating legacy engineering archives into the CSDatum platform.
- Optimized future maintenance operations by centralizing infrastructure data, enabling efficient tracking of BMP performance and necessary repairs.

**Keller Family Senior Writing Fellow** 2021-2022  
*Honors College, University of Delaware* Newark, DE

- Selected as the inaugural Keller Family Senior Fellow, responsible for leading the fellowship team and managing operational logistics including scheduling and performance reviews.
- Oversaw the professional development of the fellowship team, providing mentorship and actionable reviews to improve coaching strategies.

**Writing Fellow** 2020-2021  
*Honors College, University of Delaware* Newark, DE

- Selected for a competitive fellowship requiring a semester-long training course in writing pedagogy and communication strategy.
- Partnered with faculty to provide editorial guidance on dozens of essays per semester, mentoring a cohort of 20 students to improve their argumentation and clarity.

**Undergraduate Teaching Assistant** 2020-2022  
*Dept. of Civil & Environmental Engineering, University of Delaware* Newark, DE

- Provided supplementary instruction during office hours, translating theoretical engineering concepts into practical problem-solving strategies for students.
- Evaluated technical assignments and exams against established rubrics, providing detailed feedback to identify gaps in understanding.

**Munson Fellow** 2019-2020  
*Honors College, University of Delaware* Newark, DE

- Selected as a residential peer mentor to facilitate the academic and social transition of incoming Honors students, directly supporting university retention goals.
- Advised a cohort of first-year students on course selection and degree planning, serving as a critical resource for navigating university administration and academic requirements.
- Designed and executed social programming and community-building events, effectively managing logistics to enhance the student living-learning environment, foster a cohesive residential community and promote student engagement.

## HONORS & AWARDS

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National Defense Science & Engineering Graduate Fellowship	2024-2027
ICCE Student Travel Scholarship	2026
KIETS Climate Leaders Program Scholar	2024
AGU Outstanding Student Presenter Award	2023
NSF Graduate Research Fellowship Program, Honorable Mention	2023
EWC Student Poster Competition, 2nd Place	2023
Provost Doctoral Fellowship, North Carolina State University	2022
American Society of Landscape Architects Award of Excellence in Student Collaboration	2022
PA-DE Chapter of the American Society of Landscape Architects Student Honor Award	2022
RJN Foundation Department of Civil & Environmental Engineering Award	2022
1st Place 2021 Coastal & Estuarine Research Federation Design Competition	2021
Delaware Section of the American Society of Civil Engineers Junior Award	2021
Honors Enrichment Award, University of Delaware Honors College	2021
Chair's Fellowship, University of Delaware Dept. of Civil & Environmental Engineering	2021

## CONFERENCE PRESENTATIONS

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### *Oral Presentations*

- Collins, J., Hino, M., **McCune, R.**, Anarde, K., Frankenberg, E., (2025). *Tolerating the tide: accommodation and tolerance of chronic coastal flooding in rural North Carolina*. Population Association of America Annual Conference. Washington, D.C., 2025.
- McCune, R.**, Anarde, K., (2025). *Evaluation of Chronic Coastal Flooding Inundation of Low-Lying Roadways and Impacts to Community Livability*. Presented at the 3rd Regional (East Coast) Peer Exchange for Sustainable Eco-Resilient Bridges and Structures. Raleigh, August 2025.
- McCune, R.**, Anarde, K., Sebastian, A., Collins, J. P., Grimley, L., Hamidi, E., Hino, M., Dietrich, J. C., (2025). *The End of the Road: Present and Future Chronic Flood Risk Along Coastal Roadways and Impacts to Community Livability*. Presented at the AGU Fall Meeting. New Orleans, December 2025.
- Hino, M., Anarde, K., **McCune, R.**, Thelen, T., Farquhar, E., Fridell, T., Whipple, T., Woodard, P., (2024). *Incidence and Impacts of Chronic Coastal Flooding in North Carolina*. Invited presentation at the AGU Fall Meeting. Washington, D.C., 2024.
- McCune, R.**, Anarde, K., Goldstein, E. B., Srebnik, E. R., Thelen, T., Hino, M., (2024). *Quantification of chronic coastal flooding using machine learning*. Presented at the International Conference of Coastal Engineering. Rome, September 2024.
- McCune, R.**, Anarde, K., Goldstein, E. B., (2023). *Semantic Image Segmentation of Coastal Roadway Inundation*. Presented at the AGU Fall Meeting. San Francisco, December 2023.
- Muldrow, L., **McCune, R.**, Bruck, J., (2022). *Resilient Self-Generative Infrastructure: A Blue Carbon Solution for Coastal Protection in Hampton, VA*. PA-DE ASLA Conference on Landscape Architecture. Wilmington, April 9, 2022.

### *Poster Presentations*

- McCune, R.**, Anarde, K., Goldstein, E., Baker, C., (2025). *Quantification of Chronic Coastal Flooding: A machine learning-driven approach to water level extraction*. Presented at the NC State Environmental, Water, and Coastal Engineering Symposium. March 21, 2025.
- McCune, R.**, Anarde, K., Goldstein, E., (2024). *Witness to the Rising Tide: Semantic Image Segmentation of Chronic Coastal Flooding*. Presented at the NC State Environmental, Water, and Coastal Engineering Symposium. March 8, 2024.
- McCune, R.**, Anarde, K., Hino, M., Frankenburg, E., Amspacher, K., (2024). *Rising tides, drowning ditches: Analysis and communication of chronic coastal flooding in rural communities*. Presented at the National Adaptation Forum. Baltimore, May 2024.
- McCune, R.**, Collins, J., Anarde, K., Hino, M., (2024). *A Summer Down East: Internship and Research Experiences in Carteret County*. Presented at the KIETS Climate Leaders Symposium 2024. September, 2024.
- McCune, R.**, Anarde, K., Goldstein, E., (2023). *On-device Machine Learning for Identifying the Spatial Extent of Chronic Coastal Flooding*. Presented at the NC State Environmental, Water, and Coastal Engineering Symposium. March 10, 2023.
- Anarde, K., Goldstein, E., Bolewitz, J., **McCune, R.**, Gold, A., Hino, M., (2022). *On-device machine learning for identifying the spatial extent of chronic coastal floods*. Presented at the International Conference of Coastal Engineering. Sydney, December 5, 2022.

**McCune, R.**, Fettke Von Koeckritz, H., Bruck, J., Puleo, J. A., (2021). *Fenwick Island Dune Encroachment Monitoring Project*. Presented at the Young Coastal Scientists and Engineers Conference – Americas. Myrtle Beach, October 30, 2021.

## PUBLICATIONS

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### *Peer-Reviewed Journal Articles (Published or Accepted)*

Hino, M., Anarde, K., Fridell, T., **McCune, R.**, Thelen, T., Farquhar, E., Woodard, P., Whipple, A., (in press). “Land-based sensors reveal high frequency of coastal flooding”. In: *Nature Communications Earth and Environment*. In press.

Naquin, K., Adams, D. R., Bailey, M. M., Brown, L., Diez, M., Kanipe, J., **McCune, R.**, Thelen, T., Hunter, D. L., Cooper, C. B., (Apr. 2025). “Not Empty Rain Gauges: Experienced Hobbyists Fulfilled in a Contributory Project”. In: *Citizen Science: Theory and Practice*. DOI: 10.5334/cstp.774.

### *Peer-Reviewed Journal Articles (Under Review & In Preparation)*

**McCune, R.**, Anarde, K., Goldstein, E., Baker, C., (in preparation). “Quantification of chronic coastal flooding: a machine-learning driven approach to water level extraction”. In preparation for Water Resources Research.

### *Datasets*

Ku, V., Gabbula, S. R. A. K., **McCune, R.**, Budavi, P., Sigdel, R., Buscombe, D., Favela, J., Shah, M., Goldstein, E. B., Fitzpatrick, S., (2022). “Segmentation Labels for Emergency Response Imagery from Hurricane Barry, Delta, Dorian, Florence, Isaias, Laura, Michael, Sally, Zeta, and Tropical Storm Gordon”. In.

## PROFESSIONAL DEVELOPMENT

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COPRI Leadership Summit, Reston, VA	2026
Community Surface Dynamics Modeling System Annual Meeting, Boulder, CO	2025
Earth Surface Processes Institute, Boulder, CO	2025
From Ice Sheets to the Coast: Sea-Level Rise Impacts Workshop, Houston, TX	2024
KIETS Climate Leaders Symposium, Raleigh, NC	2023
5th NOAA AI Workshop, virtual	2023
Coastal Imaging Research Network Workshop, Duck, NC	2023
Blue Economy Workshop, Morehead City, NC	2023

## PROFESSIONAL SERVICE

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Chair, EWC Seminar Visiting Student Logistics Committee	2026
Student Ambassador, NC State Climate and Sustainability Academy	2025

Session Chair and Organizer, AGU Annual Meeting "The MacGyver Session" Ocean Sciences Poster Session	2025
Member, EWC Seminar Visiting Student Logistics Committee	2025
Organizer and Moderator, Panel: Community Responses to Chronic Flooding and Sea-Level Rise Impacts, North Carolina Coastal Conference	2024
Chair, EWC Seminar Food Committee	2024
Member, EWC Seminar Food Committee	2023
Student Member, Provost Search Committee, University of Delaware	2022
Engineering Ambassador, College of Engineering, University of Delaware	2022
Engineering Ambassador, Dept. of Civil & Engineering, University of Delaware	2021-2022
Honors College Ambassador, University of Delaware	2019-2022

## **LEADERSHIP**

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President, Coasts, Oceans, Ports & Rivers Institute Student Chapter	2025-present
Vice President, Coasts, Oceans, Ports & Rivers Institute Student Chapter	2023-2024
Vice President, Environmental Engineering Student Association	2020-2022
Parliamentarian, Phi Sigma Pi National Honor Fraternity Alpha Eta Chapter	2021

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**Profile**

**Which Boards would you like to apply for?**

Design Review Commission (formerly known as City of Raleigh Appearance Commission):  
Submitted

**Please select your first Board preference: \***

Board of Adjustment

**Please select your second Board preference: \***

City of Raleigh Planning Commission

**Please select your third Board preference: \***

Human Services Board

**Please select your fourth Board preference: \***

Historic Preservation Commission

**Please select your fifth Board preference: \***

Planning Board

**Please select your sixth Board preference: \***

Economic Development Commission

Jeffrey

First Name

Barnas

Last Name

Middle  
Initial

131 E Davie St

Street Address

Unit 213

Suite or Apt

Raleigh

City

NC

State

27601

Postal Code

**What district do you live in?**

None Selected

Home: (401) 533-3499

Primary Phone

Mobile: (401) 533-3499

Alternate Phone

jbarnas@stewartinc.com

Email Address

Stewart Engineering

Employer

Project 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

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## Interests & Experiences

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

I am interested in serving on a board because I want to use my technical and professional experience to meaningfully contribute to Wake County's growth and development. As a licensed professional engineer and project manager, I have seen firsthand how development constraints, zoning conflicts, and engineering decisions can directly shape the character and livability of a city. Beyond technical experience, I bring a perspective grounded in collaboration, critical thinking, and accountability. I am motivated by public service and civic engagement and want to contribute not only my professional knowledge, but also my time, energy, and judgment to help support thoughtful and balanced decision making. I value open discussion, careful evaluation of facts, and would be honored to serve Wake County in a role that supports those principles.

## Work Experience

See attached Resume Licensed Professional Engineer in the State of North Carolina

## Volunteer Experience

My volunteer experience has consisted of supporting my hometown's animal shelter, organizing community fundraising events for youth athletics, and participating in local clean up and beautification efforts for public parks and city property in Rhode Island. These experiences taught me how important and meaningful community involvement is and I would now like to contribute meaningfully to the city of Raleigh's growth and development.

## Education

B.A. Psychology - University of Rhode Island B.S. Civil & Environmental Engineering - University of Rhode Island Minor in Mathematics

## Comments

I am looking forward to meeting everyone and contributing to the development and growth of Wake County.

Jeffrey Barnas

[Jeffrey\\_Barnas\\_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

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## 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](#).



# JEFFREY BARNAS, P.E.

PROFESSIONAL ENGINEER | PROJECT  
MANAGER | ENTREPRENEUR

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## CONTACT

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📞 401-533-3499

✉️ [jbarnas955@gmail.com](mailto:jbarnas955@gmail.com)

📍 North Carolina, US

🌐 <https://www.linkedin.com/in/jeffrey-barnas-100/>

## EDUCATION

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2014-2017

UNIVERSITY OF RHODE  
ISLAND

- Psychology B.A. (Cum Laude)

2017-2021

UNIVERSITY OF RHODE  
ISLAND

- Civil & Environmental  
Engineering B.S. (Cum Laude)

## SKILLS

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- Project Management
- Data Analysis
- E-Commerce & Logistics
- Project Scheduling
- Startup Operations
- Computer Design Software
- Technical Writing
- Cost Estimation

## PROFILE

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Professionally licensed civil engineer with 5+ years of experience in land development, infrastructure design, and permitting, with a focus on leading design execution, managing complex projects, and coordinating with public agencies and project stakeholders. Demonstrated success in engineering, project management and entrepreneurship, having led projects from design through construction and scaling a multimillion dollar logistics business while overseeing operations, strategy and supply chain management. Combines technical expertise and business acumen with dual degrees in Civil Engineering and Psychology, bringing a unique blend of execution, leadership, and human centered insight.

## WORK EXPERIENCE

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**Stewart**

2025-Present

Project Manager

- Reviewed RFIs, submittals, shop drawings, and change orders. Performed quantity takeoffs, developed cost estimates, and organized progress meetings.
- Led design efforts of multimillion dollar design build land development projects and ensured compliance with budgetary constraints and technical specifications.
- Mentored junior civil engineers, and delegated tasks to staff members across engineering disciplines.
- Managed project schedules, timelines, deliverables, and invoicing. Coordinated work with contractors and monitored critical milestones such as field testing and infrastructure installations.

**The East Group**

2024-2025

Civil Engineer/Project Manager

- Led permitting efforts by coordinating with regulatory agencies, addressing feedback and incorporating revisions to obtain approval.
- Produced detailed site development plans using Civil3D, including layout, grading, erosion and sedimentation control, and utility design sheets for residential subdivisions and municipal public works projects.
- Managed design schedules and deliverables by coordinating with multidisciplinary teams, tracking project milestones, and facilitating timely plan submissions for client and agency review.
- Supported business development efforts by leading client facing presentations and developing supporting materials such as schematic design layouts and detailed slide decks to help secure new projects through competitive selection processes against other engineering firms.

## TECHNICAL PROFICIENCIES

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- Engineering Design
  - AutoCAD/Civil3D
  - HydroCAD
  - WaterGems
  - Revit
  - ArcGIS
- Project Management
  - Procore
  - Microsoft Project
  - Quickbooks
  - Bluebeam Revu
- Standards & Codes
  - ACI-318
  - AASHTO
  - NDS/SDPWS
  - ASCE 7
  - IBC
  - AISC
  - OSHA
  - ADA
- Productivity & Media
  - Microsoft Office Suite
  - Adobe Creative Suite

## LICENSES & CERTIFICATIONS

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- Fundamentals of Engineering (FE) -2021
- Professional Engineer (PE) -2025 (PE-Civil Structural)  
NC License #: 061181

### Nesra Engineering

2023-2024

#### Civil Engineer/Project Manager

- Led engineering design efforts for private subdivisions and public site development projects, including parks and recreational facilities. Coordinated with clients and local agencies to develop construction documents and technical specifications aligned with project scope and regulatory standards.
- Conducted site visits to assess existing conditions using field survey equipment, gathering data on existing topography, utilities, and site infrastructure to develop construction drawings in Civil3D.
- Supported municipal master planning efforts by contributing to schematic designs, developing preliminary cost estimates, and drafting technical reports for client review.
- Led permitting efforts by preparing application packages, coordinating responses to agency comments, and tracking approvals. Provided construction administration services, including submittal reviews, responding to RFIs, and design revisions.

### Tata & Howard

2022-2023

#### Civil Engineer

- Developed design drawings and technical specifications packages for municipal water infrastructure projects across New England utilizing computer aided design software programs. Coordinated with other engineers and municipal stakeholders to align deliverables with scope, schedule, and regulatory requirements.
- Performed hydraulic modeling using WaterGEMS and prepared as-built drawing packages from field collected data to support project closeout.
- Supported capital improvement initiatives by coordinating field inspections and compiling inventories of lead service lines and water infrastructure for condition assessments.

### JSPB Investment Group LLC

2021-2023

#### Founder & Operations Lead

- Launched and scaled a wholesale electronics venture, generating \$3.5M+ in revenue during a global supply shortage by leveraging automated purchasing tools, strategic retail arbitrage and local procurement channels to acquire and distribute bulk quantities of high demand technology to domestic and international clients.
- Directed end to end business operations spanning shipping logistics, inventory, financial strategy, and client management services. Maximized product margins by leveraging multiple tax exempt shipping hubs, retail arbitrage and multiple resale channels..
- Built and sustained strategic partnerships with domestic and international buyers, negotiated bulk sales and provided consulting services to organizations and sellers on product acquisition strategy and supply chain efficiency.

### Process Pipeline Services

2021-2022

#### Civil Engineer/Project Manager

- Led the preparation of civil engineering design and permitting deliverables for natural gas infrastructure projects including horizontal directional drilling designs, and traffic management plans while ensuring compliance with regulatory requirements and municipal standards.
- Conducted field verifications to assess existing topography, potential utility conflicts, and site constraints. Coordinated with multidisciplinary teams to address design obstacles and streamline project delivery.

**Profile**

**Which Boards would you like to apply for?**

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**Please select your first Board preference: \***

None Selected

**Please select your second Board preference: \***

None Selected

**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

Steve

First Name

P

Middle  
Initial

Kim

Last Name

301 Fayetteville Street

Street Address

Unit 3203

Suite or Apt

Raleigh

City

NC

State

27601

Postal Code

**What district do you live in?**

None Selected

Mobile: (919) 302-3900

Primary Phone

Home: (919) 390-7737

Alternate Phone

engage.stevekim@gmail.com

Email Address

IBM

Employer

Head of Design/Program  
Director

Job Title

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

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Yes  No

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

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Raleigh

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**Interests & Experiences**

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

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Raleigh is growing fast, and I want that growth to work for the people who actually live here. My background is in building complex systems that have to be both innovative and accountable. I lead design for high-stakes enterprise products, where we don't just chase ideas - we put guardrails around them, think about impact, and make sure they can operate responsibly in the real world. That's the lens I'd bring to the Commission: development in Raleigh should not just look good in a rendering. It should feel safe, usable, and welcoming for the people who walk it, bike it, work in it, and live next to it. I also care a lot about transparency; people deserve to understand why decisions get made. Serving on this Commission is a way for me to contribute to the city I live in and help make sure we grow with intention, not just speed.

**Work Experience**

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I'm the Head of Design for IBM's Digital Labor / watsonx Orchestrate portfolio. I lead a global team of 40+ designers and partner with product, engineering, marketing, and go-to-market teams to deliver AI-driven solutions for large enterprises. My job is to take complicated, critical systems and make them understandable, trustworthy, and scalable. That includes setting experience standards, defining how we measure risk, and making sure what we ship can actually work at enterprise scale without creating new problems. Before this role, I led design for IBM's AIOps and Management business - software that supports always-on IT environments where downtime is not an option while also focused on providing automation to reduce redundant work for IT employees. I've also built and led large design organizations, including founding and growing IBM Studios RTP here in North Carolina (a design studio within a technical company).

**Volunteer Experience**

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I've been an Adjunct Professor at NC State's College of Design since 2018, where I teach and mentor emerging designers. The focus there is very real-world: how design, systems thinking, and responsibility show up in practice, not just in theory. Inside IBM, I've spent years coaching new designers and early product teams through our incubator programs - helping them get sharper at problem framing, stakeholder communication, and understanding who is actually affected by their decisions. I also stay involved locally. I completed Raleigh's Citizens Leadership Academy (Dec 2024), and I've been selected to participate in the Raleigh Community Police Academy in Fall 2025. For me, understanding all aspects of the community is part of the work.

**Education**

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Duke University - MBA, Fuqua School of Business (Executive MBA focused on entrepreneurship and strategy) NC State University - B.S. in Computer Science, minor in Society and Technology Adjunct Faculty, NC State College of Design (2018-present)

## Comments

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I understand that the Design Review Commission is both advisory and quasi-judicial: it provides guidance on Raleigh's visual and aesthetic standards, and it also conducts evidentiary hearings and votes on design alternate requests, with decisions based on sworn testimony and the formal record. I'm comfortable in that kind of environment. My day job already requires structured decision-making, handling risk, and staying disciplined about process and disclosure. I understand the importance of avoiding conflicts of interest. For context: I work in enterprise software, not local development or real estate. I would bring a public-interest, human-centered point of view to how Raleigh continues to build and scale. As a resident of downtown Raleigh, I care very much how our city will evolve to care and support our community.

[Steve\\_Kim\\_Resume.pdf](#)

Upload a Resume

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Asian

Caucasian

---

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## 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](#).

# Steve Kim

Head of Design, Digital Labor

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## WORK EXPERIENCE

**IBM** **03/2024 - Present**  
**Head of Design**

- I lead the global design team (40+) for IBM's leading AI-platform (IBM watsonx Orchestrate), collaborating across Design, Product Management, Engineering, Marketing, and Tech Sales to turn strategy into shipped experiences.
- Introduced lightweight video walkthroughs and micro-prototypes as a decision ritual, which accelerated alignment and stakeholder buy-in across the Product, Tech Sales, and Marketing portfolio.
- Cultivated a collaborative environment through regular Design Product Reviews, fostering transparency and innovation, de-risking decisions early, and keeping delivery ahead of schedule.
- Worked with my design team to help lead the storytelling, demo experience, and executive-facing assets for IBM conferences (THINK & TechXChange) helping to position our Agent Builder and AI innovation narrative.
- Secured IBM watsonx Orchestrate's first iF Design Award and Red Dot Design awards (2025), helping boost product credibility, team morale, and market visibility as an enterprise AI platform.

**NC State College of Design** **05/2018 - Present**  
**Adjunct Professor**

- Created and teach the "Design it Forward with IBM" in the College of Design at NC State University.

**IBM** **07/2016 - 02/2024**  
**Design Director, AIOps & Management**

- Led a worldwide Design organization (50+) for the AIOps & Management portfolio - a solution that uses explainable AI to help humans recognize, recommend, and resolve issues across IT operations. Products include the IBM Cloud Pak for Watson AIOps, Instana, and Turbonomic.
- Championed the integration of explainable AI to empower users in recognizing and resolving IT issues.
- Advocated for the importance of user-centered design in technology, ensuring a seamless interaction between people and systems.

**Studio Director**

- I passionately founded, led, and managed the IBM Studios RTP in Research Triangle Park, North Carolina.

## EDUCATION

**Masters of Business Administration (MBA)**

**Duke University - The Fuqua School of Business**  
Durham, NC  
01/2006 - 12/2008

Executive MBA with a focus on entrepreneurship

**Bachelor's Degree in Computer Science**

**North Carolina State University**  
01/1994 - 12/1998

Minor in Society and Technology

- With over 70 Designers in our Studio, worked on a range of products that focus on improving and creating impactful experiences. Our Studio is heavily involved with other activities that also contribute to the education and leadership of Design at IBM as we strive to bring innovative ideas, designs, and technology together for our customers, business partners, and fellow IBMers.
- Managed the IBM Incubator Program that helps bring our new Designers, experienced Offering Managers, and Solution teams together to deliver truly exceptional outcomes and disruptive insights to teams to help make the right investment decisions across the IBM portfolio.

## DESIGN AWARDS

<b>Red Dot Design Award : IBM watsonx Orchestrate</b>	11/2025
<b>iF Design Award : IBM watsonx Orchestrate</b>	02/2025
<b>Red Dot Design Award : Watson AIOps</b>	08/2023
<b>Red Dot Design Award : IBM Blockchain</b>	12/2019

## CERTIFICATIONS

<b>License to Lead - Senior Manager</b> IBM	01/2024 - Present
<b>Mental Health Ally</b> IBM	10/2021 - Present
<b>Patent Issuance</b> IBM	01/2019 - Present
<b>Enterprise Design Thinking Coach</b> IBM	10/2017 - Present
<b>IBM Blockchain Board of Advisors 2018</b> IBM	03/2019 - 04/2020