

Bethany K. Bazemore

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Education

- University of Virginia (UVA), Charlottesville, VA Expected Aug. 2025
- *Master of Science*, Civil Engineering (Transportation Track) | **GPA: 3.7/4.0**
- University of Virginia (UVA), Charlottesville, VA
- *Bachelor of Science*, Systems Engineering | **GPA: 3.02/4.0** Aug. 2020 - May 2024

Work Experience

- Civil Engineering Intern, *LA County Public Works* Incoming June 2025
- Performance Engineering Intern, *Key Capture Energy* Sept. 2024 - present
- Developing **2 new metrics** associated with Battery Energy Storage Systems (BESS) to identify areas of improvement for performance
 - Creating **a data analysis and visualization** for internal use for other teams to increase efficiency and reliability
- Commercial Energy Analyst Intern, *ICF International* Jun. 2024 - Aug. 2024
- **Analyzed datasets** of 3 wholesale energy markets to **develop a multi-criteria ranking system** for renewable energy development
 - **Developed 3 python codes** to streamline data-related tasks that were being conducted manually by the team
- Education Abroad Intern, *UVA International Studies Office (ISO)* Aug. 2023 - May 2024
- **Developed and hosted 2 seminars** per semester for students interested in studying abroad
 - Collaborated with UVA Engineering faculty members to understand various challenges of students participating abroad and fulfilling requirements at the host institution
- Undergraduate Teaching Assistant, *UVA Department of Systems and Information Engineering* Jan. 2023 - May 2024
- Assisted professor in various tasks such as **grading assignments for 25 students**, coordinating guest speakers, and presenting past work in presentation
- Land Development Intern, *Kimley-Horn and Associates* Jun. 2023 - Aug. 2023
- **Collaborated** in a team of 6 full time employees on **solar farm projects** in rural Pennsylvania
 - **Prepared permitting documents for 3 projects** to local and state agencies, conducted stormwater analysis, and sediment and erosion analysis
- Distribution Engineering Intern, *TRC Companies* Jun. 2022 - May 2023
- Designed underground electric distribution layouts for **15 projects** in the Richmond and Northern Virginia for client Dominion Energy
 - Recognized as **Star Intern** (nominated by manager) by the company in both the U.S. and U.K. offices

Honors/Awards

- GEM Fellowship June 2025 –present
- Recipient of the GEM Fellowship (Employer/Highest Tier), a prestigious program that supports underrepresented students in STEM, providing up to **\$20,000** in funding for graduate studies and professional development opportunities with top-tier employers in the field
 - Employer Sponsor: **Los Angeles County Public Works**
- UVA Civil Engineering Department Funding Recipient (Graduate) August 2024 – May 2025
- Recipient of **full tuition and stipend** designed to support graduate studies throughout the master's program
- UVA University Achievement Award (UAA) Scholar (Undergraduate) August 2020 – May 2024
- Recipient of **merit, full tuition scholarship given to 40 students** per graduating class based on high school performance

Organizations

- National Society of Black Engineers Sept. 2020 - present
- **Graduate Chair** (UVA Chapter): *September 2024 - present*
 - **President** (UVA Chapter): *August 2023 - May 2024*
 - **Programs Chair** (UVA Chapter): *August 2021 - May 2023*
- Institute of Transportation Engineers Apr. 2024 – present
- **Treasurer** (UVA Chapter): *September 2024 - present*
- International Council on Systems Engineering Aug. 2022 - present
- Theta Tau Professional Engineering Fraternity Sept. 2020 - present

Skills

PTV Vistro, PTV Vistro, Python, Matlab, R, Civil 3D, SQL, PowerBI, Simio, Figma, Microsoft Office Suite