

**MAURA KANE-SEITZ**

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**EDUCATION**

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**The George Washington University, School of Engineering and Applied Sciences** Washington, DC  
B.S. in Civil and Environmental Engineering May 2023

- Concentration in Environmental Engineering; Minor in Business Administration
- Clark Construction Engineering Scholarship Recipient
- GPA: 3.87

**University College Dublin** Dublin, Ireland  
GW Study Abroad Partner Program September - December 2021

**EXPERIENCE**

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**The Raynor Group P.E. & L.S.** Southampton, New York  
*Civil Engineering Trainee Intern* June 2021 – August 2021 & May 2022 – August 2022

- Designed and completed drainage, sanitary, and parking calculations using CAD for residential and commercial site plans
- Performed 5+ SWPPP inspections per week and drafted reports to ensure contractors’ fulfillment of government regulations
- Assisted Lead Profession Engineer in the creation and distribution of bid documents
- Participated in meetings with the City Mayor and Board of Trustees on active road improvement projects

**Engineers Without Boarders** Washington, DC  
*Vice President and Project Lead* September 2019 – Present

- Collaborated with Bechtel Corporation Engineers and locals in Bhutiya, India to determine our project scope, design, and construction site
- Design a percolation pond to promote groundwater recharge, minimize water loss caused by evaporation, and provide an alternative water source for irrigation to be implemented by May 2023
- Lead weekly meetings and provide assistance to Bhutiya Project members regarding research and calculations vital to the design

**The George Washington University- Doctor Leila Farhadi** Washington, DC  
*Undergraduate Research Assistant* September 2022 – Present

- Conduct independent research on flood mapping prediction models
- Manipulate data in Google Earth Engine and run geo-spatial analyses using JavaScript to interpret flood patterns
- Present progress and findings to the professor as well as collaborate with PhD students regarding results

**Langan Engineering and Environmental Services, Inc** New York, New York  
*Environmental Engineering Intern* May 2019 – July 2019

- Gained basic knowledge on Geotechnical Engineering through observation and conversation with Engineering team
- Conducted on-site soil tests to determine depth of groundwater and soil types
- Provided administrative support by organizing legal documents and project files

**Freelance Tutoring** Garrison, New York/ Remote  
*Mathematics Tutor* September 2018 - Present

- Teach High School and College Students topics in Calculus, Algebra, Statistics, Geometry, and Economics in a collaborative and encouraging learning environment
- Generate an average increase of 15% on students’ exam scores by strengthening their understanding of math concepts and reasoning skills
- Conveyed a variety of math and economics content in a concise manner and crafted activities, example problems, and resource packets for students

**Town of Southampton** Southampton, New York  
*Ocean Rescue Lifeguard* June 2017 – August 2022

- Directed fellow lifeguards in beach and equipment organization and enforcement of crowd safety rules
- Rescued distressed swimmers using techniques and CPR, first-aid, and back boarding protocols when necessary
- Assisted in directing the Junior Lifeguarding Program by teaching 11–15-year-olds basic skills and responsibilities of lifeguarding

**SKILLS AND ORGANIZATIONS**

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- OSHA 10 Certification; AUTOCAD; AUTOCAD Civil 3D; HEC-RAS; ArcGIS; Excel; JavaScript; Python; C++; Microsoft Suite
  - Member, Society of Women Engineers, GWU, 2019-Present