

Emily Ping

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EDUCATION

Rensselaer Polytechnic Institute

Troy, NY

- Attended September 2020 - Present
- Bachelor's Degree in Civil Engineering, Minor in Sustainability, Graduating May 2024
- GPA: 3.79

SKILLS

AutoCAD, SAP2000, Python, Microsoft Excel, Microsoft Word, Customer Service, Management, Problem Solving

RELEVANT COURSES

Concrete Design

Spring 2023

- Modeled concrete structures with SAP2000 and learned techniques for the analysis and design of reinforced concrete structures.

Introduction to Engineering Design

Fall 2022

Project Team Leader

- Led and collaborated with a team of 6 classmates to design, build, and test a prototype to solve an identified engineering problem.

Introduction to Structural Engineering

Spring 2022

- Understood techniques of analyzing statically determinate structures and simple indeterminate structures, introduced to typical structural engineering design loads, and used SAP2000 to model structures.

Engineering Graphics for Civil Engineers

Fall 2020

- Became familiar with AutoCAD Civil 3D drafting techniques and learned key features that aid in site development, design, and analysis.

EXPERIENCE

Rensselaer Polytechnic Institute

Troy, NY

Student Assistant

August 2022 - December 2022

- Assisted undergraduate students to become familiar AutoCAD Civil 3D.
- Developed verbal and written communication skills.

Natural Hazards Engineering Research Infrastructure SimCenter

Berkeley, CA

Undergraduate Student Researcher

June 2022 - August 2022

- Conducted research under faculty mentorship and prepared a research paper, presentation, and poster.
- Developed skills in technical writing, public speaking, and project collaboration.
- Became familiar with Python, structural modeling software (OpenSees), and uncertainty quantification software (quoFEM).

The Herbary at Bear Creek (Garden Center)

Howell, NJ

Assistant Manager

May 2018 - August 2021

- Managed the store, took phone calls and emails, logged business expenses in excel, operated the cash register, and assisted with event set-up, clean up, and coordination.
- Developed problem-solving, customer service, and project management skills, learned and applied new skills quickly.