April Y. Wang

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US Citizen • Columbus, OH

EDUCATION

Oregon State University
B.S. Computer Science – 4.00 GPA   December 2025

Purdue University
M.S. Civil Engineering - 4.00 GPA   May 2018
B.S. Civil Engineering, with Highest Distinction - 3.95 GPA   May 2016

PROJECTS

BeaverHacks - StudentSorter (React, React Bootstrap, Next.JS)

- Bootstrapped multi-page React webapp using React Bootstrap Components for UI

Reverse Polish Notation Calculator (HTML/CSS/Flexbox/JavaScript)

- Implemented Reverse Polish Notation to allow for changing last operator during calculations
- Created a styled and interactive front-end

2023 Effective Tax Rate Calculator (Python)

- Implemented program using test driven development that prompts and validates user for income and contribution inputs, calculates AGI and OASDI/Medicare/Federal taxes, calculates effective tax rate percentage, and generates a PDF summary of inputs and results

WORK EXPERIENCE

Civil Engineer – Michael Baker Intl. • Columbus, OH   May 2020 – July 2022

- Coordinated and delegated tasks for team of 5 engineers and 3 reviewers to successfully deliver engineering designs on compressed project schedules
- Engineered and reviewed calculations/plans to deliver constructable and efficient bridge designs to clients
- Championed QA/QC adoption to reduce rework, improve project velocity, and improve engineering quality
- Mentored interns and early career engineers through engineering tasks

Design Engineer – Schaefer • Cincinnati, OH   June 2018 – May 2020

- Became the go-to engineer for solving complex problems on demanding project schedules; investigating/testing new technologies and processes prior to widespread company adoption; and coordinating between architects, construction teams, design teams, and project managers
- Created internal documentation and QA/QC resources to train engineers on design software and reduce instances of common design mistakes
- Represented employer at business development events to build client relationships
- Planned presenters and presentation topics, moderated discussion forums, and presented technical topics for internal young engineer training group

Graduate Research Assistant – Bowen Laboratory • West Lafayette, IN   Aug. 2016 – April 2018

- Designed, produced technical drawings, and built custom experiments for physical scaled testing
- Coordinated suppliers, fabricators, researchers, and technicians to fabricate and test experiments on schedule to meet stakeholder needs
- Analyzed experiment data to describe behavior and to guide future research/design through publications

TECHNICAL SKILLS

Python, HTML/CSS, JavaScript, React, React Bootstrap, Next.JS, Git, Github, VS Code, Unix Terminal, pytest, Jest, Figma, Microsoft Office