

# April Y. Wang

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## EDUCATION

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### Oregon State University

*B.S. Computer Science*

- Postbaccalaureate Student

June 2025

### Purdue University

*M.S. Civil Engineering* - 4.00 GPA

*B.S. Civil Engineering, with Highest Distinction* - 3.95 GPA

May 2018

May 2016

## PROJECTS

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### [Personal Website \(HTML/CSS/Flexbox/Figma\)](#)

- Prototyped UI design and content in Figma
- Implemented responsive web design so page is useable for different window sizes and devices

### [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 with a display

### [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

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### 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

## TECHNICAL SKILLS

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Python, HTML/CSS, JavaScript, Git, Github, VS Code, Unix Terminal (zsh), pytest, Jest, Figma

**Completed Courses:** CS50's Introduction to Programming with Python, The Odin Project Foundations