

# AJ Wong

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## PROFESSIONAL EXPERIENCE

### MICROSOFT

Apr 2022 - Nov 2024

#### Software Engineer

- Spearheaded shift-left initiatives in code integrity by implementing pull request validation, catching **99%** of supply chain vulnerabilities before they enter the ecosystem.
- Created dynamic code integrity policy system to facilitate end-to-end enforcement on build machines, ensuring only approved software is able to run during the Windows Build.
- Established systems to orchestrate, validate, and audit **100+** internal build tools that deliver robust answers to where software came from, what it is comprised of, and if it is trusted.
- Drove cross-team collaboration to architect a secure Windows build system to achieve full compliance with the U.S. Executive Order on improving national cybersecurity.

### AMAZON

Jun 2021 - Sep 2021

#### Software Development Engineer Intern

- Worked on Algorithmic Buying Team to upscale new inventory planning model to handle **94%** of products in the NA and EU regions.
- Designed and implemented new end-to-end auditing system which offloads in-memory audit data in order to free resources for new planning model while balancing cost and efficiency through data driven decisions.
- Updated **AWS** authentication mechanism to automate access key management for **S3, SNS, SQS**, and **Lambda**.

### CODE WITH US

Aug 2020 - Feb 2021

#### Instructor

- Taught students ranging from pre-K to high school the fundamentals of coding in various languages such as **Python**, **JavaScript**, and **C++**.
- Employed technical and interpersonal skills in order to tailor curriculum to each students' personal needs and interests.

### UNIVERSITY OF AUCKLAND

Jun 2020 - Sep 2020

#### Research Assistant

- Conducted data analysis on patterns of Per- and Polyfluoroalkyl (PFAS) substances found naturally in New Zealand and Australia.
- Utilized Python data science libraries (**Pandas**, **Numpy**, **Matplotlib**) to analyze the chemical composition within water and determine significant findings.

## EDUCATION

### University of California, Santa Cruz

Graduation: December 2021

#### Jack Baskin School of Engineering

Computer Science, B.S.

Relevant Coursework: *Principles of Computer Systems Design, Distributed Systems*

## SKILLS

### LANGUAGES

- Proficient in **C#**, **Java**, and **Python** programming.
- Familiar with **Golang**, **C**, **C++**, **HTML**, **CSS**, and **JavaScript**.

### TECHNOLOGIES

- Extensively used **Docker**, **PostgreSQL**, and **Next.JS**.
- Comfortable with **AGILE** software development.