Yijie Zhu

[Personal Website](#)
stephenzhu888@gmail.com
linkedin.com/in/stephen-zhu888/
949-870-6386

Education

B.S. in Computer Science, University of California, Santa Cruz   Sep. 2019 - Present

- **Expected Graduation: June 2023**
- **GPA: 3.62**
- **Relevant completed courses:** Data Structure and Algorithms, Principles of Computer Systems Design, Foundations of Programming Languages, Database System I, Introduction to Natural Language Processing.

Experience

Returning Software Development Engineer Intern, Amazon.com   Sep. 2022 – Dec. 2022

Cloud Engineer Intern, CrowdStrike, Inc.   June. 2022 – Sep. 2022

- Built a new internal RESTful API endpoint that read data from **Cassandra** tables using **Go, CQL;** continuously integrated and deployed the endpoint to multiple development and production clouds using **Spinnaker** and **K8s,** monitored metrics and logs using **Grafana** for dashboards and **Splunk** for logs
- Implemented and deployed part of the **Cassandra** database populating logic for the above API endpoint that ran more than 3 million times per day, using **Go**
- Implemented a new internal UI Page for the above API endpoint, using **AngularJS, HTML and CSS**
- Improved a proxy API endpoint for the above UI page, using **Python**

Software Development Engineer Intern, Amazon.com   Aug. 2021 – Nov. 2021

- Built and deployed an AWS S3 Bucket Scraper that allowed team to seek out potential legally non-compliant S3 datasets and buckets owned by Amazon Music teams, using **Python**, **AWS S3, CloudFormation and MWAA**
- Learned software engineering best practices such as **Git**, pipelines, code review

Skills

Productive: AngularJS, HTML, CSS, Go, Python, Git, AWS
Familiar: Java, C++, C, Node.js, SQL, Cassandra, K8s, Spinnaker, Splunk, Grafana

Projects

- Built a responsive personal website using **HTML, CSS, JavaScript, AWS API Gateway, Lambda, SES and S3**
- Built *n*-gram(unigram, bigram, and trigram) language model from scratch and implemented additive smoothing and interpolation using **Python.**