MILES PHAN

Education

University of Southern California/In Progress
Los Angeles, California/Graduated May 2021
B.S. in Computer Engineering Computer Science. 3.86 GPA

Skills

- **Coding**: (*Proficient*) Java, Python 3, C/C++, (*Familiar*) Scala, PHP, C#, JavaScript, jQuery, HTML5, CSS, SQL.
- **Technologies/Environment**: AWS CDK, AWS Technologies (ex: CloudWatch, ECS, S3), Linux, Windows, Git/GitHub, Docker, DynamoDB, PostgreSQL, MySQL, Django, Bootstrap.
- **Hardware**: Raspberry Pi, Arduino UNO, Xilinx FPGA, and GrovePi programming experience.
- **Knowledge**: UML, Waterfall/Agile methodologies, design patterns, and distributed systems.

Work Experience

Amazon.com/Software Development Engineer I
August 2021 – Present/Seattle, WA

- Developed proactive experiences in order to reach new and retain existing in the Alexa Shopping platform.
- Maintained and improved highly scalable and robust systems with the AWS CDK and AWS technologies like CloudFormation and ECS.

NASA Jet Propulsion Laboratory/Software Development Intern
February 2020 – May 2021/Pasadena, CA

- Contributed to the revamp of the JPL Education Portal, the site for JPL uses to manages potential new hires and interns.
- Developed and shipped an internal work-on-lab approval app in response to the COVID-19 pandemic.
- Upgraded an internal part information app to display data coming from other JPL sites.

University of Southern California/Research Assistant
February 2020 – May 2020/Los Angeles, CA

- Analyzed voter registration and patent data to find links between political party affiliation and innovation.

University of Southern California/Course Producer
August 2019 – May 2020/Los Angeles, CA

- Led labs and hosted office hours about coursework and web development concepts.
- Managed student final project designs.

Pepperdine University/Application Development Intern
May 2018- August 2018/Malibu, CA

- Developed an Out of Office application that standardized team calendars.
- Upgraded a network emergency handler application reducing event response time by 75%.

Personal Projects

Clip N Ship

- A standalone Python app where users can create categories based on channel emotes and analyze Twitch VOD comments to find and view clip-able moments.

SciOlyScheduler

- A console app built for Yale Science Olympiad that matches proctors to events using a modified Edmond-Karp algorithm that reduced computation time by 90%.

RaspberryPi Security System

- A distributed system that alerts its owner of a trespassing through email and SMS.

Profanity Count Bot

- Reddit bot that analyzes a user's comments/posts and displays the profanities they used.

Awards

- **First Place in Boeing's Freshman Engineering Design Challenge**
- **Viterbi Dean's List Fall 2018 – May 2021 Recipient**

Links

- https://kilometersfan.github.io