

Shayla Luong

EDUCATION

Computer Science, M.S. GPA: 3.71

[San Jose State University](#) | August 2021 – Present (expected May 2023)

- Coursework: Mobile Device Development, User Interface Design, Web Intelligence, Computer Vision, Wireless Mobile Networking
- Involvement: Society of Women Engineers, Machine Learning at SJSU, Spartan Esports, Graduate Business Student Association

Computer Science and Engineering, B.S. GPA: 3.78

[University of California, Irvine](#) | September 2016 – June 2020

- Coursework: Data Analytics, Databases, Computer Networks, Embedded Systems, Compilers, Operating Systems, Data Structures & Algorithms

EXPERIENCE

Software Engineer Intern

[Palo Alto Networks](#) | May 2022 – August 2022

- Designed and implemented an automated health-check and notification system for internal Java micro-services and third-party API endpoints.
- Familiarized with industry practices and tools such as Agile development process, Datadog monitoring service, Docker, Redis, and CI/CD pipeline.

Software Engineer I

[Raytheon Intelligence and Space](#) | September 2020 – November 2021

- Developed Windows .NET applications to interface automated testing frameworks with hardware parts using C#, C++, and Matlab.
- Collaborated with Test and Systems Engineers to lead software validation, testing, and revision releases, achieving multiple early release incentives.

Software Engineer Intern

[cFive Solutions](#) | October 2018 – April 2019

- Optimized SQL queries and created scripts to extract and validate large amounts of data. Performed data migrations between different databases.
- Worked with front-end Java framework, CSS, HTML to improve user interface for web-based solutions.

PROJECTS AND HACKATHONS

Web-based ASL Learner Game | January – May 2022

- Trained a CNN classification model that predicts ASL letters from images. Developed a kid-friendly, interactive web-based game that encourages kids to learn the ASL alphabet by incorporating the trained model and real-time webcam feed.

Smart Bins - Automated Trash-Sorting System | September 2019 – June 2020

- Implemented a CNN classifier using MS Azure's Machine Learning services. Built an image processing pipeline to collect and process images received from physical trash bin with camera and sensors.

Digital Business Card Sharing Through NFC | October 2018

- Developed an Android application with Java and Android Studio and used NFC technology to share digital business profiles between devices. Integrated Google's Firebase database and authentication services to store and fetch user data.

CONTACT

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TECHNICAL SKILLS

Languages

Python
JavaScript
C++
Java
SQL
HTML
CSS

Tools

Git
IntelliJ
Visual Studio
MS SQL Server
Android Studio
Adobe CC Suite
AWS/GCP

Frameworks

React
Spring Boot
.NET
Django