

Seiji Samuel Otsu

seijiotsu@ucla.edu ❖ linkedin.com/in/seijiotsu ❖ Authorized to work without restriction in the United States and Japan

Education

University of California, Los Angeles (UCLA) Sep 2022 — Jan 2024

Master of Computer Science

- Capstone project on Named Data Networking

University of California, Los Angeles (UCLA) Sep 2018 — Mar 2022

Bachelor of Computer Science

- 3.76 GPA (*cum laude*)
- Nikkei Student Union Family Chair (Japanese American social & cultural club)

Experience

Microsoft Corporation Jun 2023 — Present
Software Engineer Intern Seattle, Washington

3M Corporation Apr 2022 — Aug 2022
Software Engineer Intern Remote

- Developed a cloud REST API via AWS API Gateway and AWS Lambda to expose a Microsoft SQL Server database hosted in AWS EC2 for consumption and manipulation by internal applications owned by other teams.
- Wrote a Python application to generate AWS CloudFormation templates that are processed in an AWS CodePipeline CI/CD environment to automatically deploy and redeploy all necessary resources for the API.
- Wrote SQL stored procedures to handle new CRUD operations on an existing legacy database.

KPMG Ignition Tokyo Mar 2021 — Sep 2021
Software Engineer Intern Ōtemachi, Tokyo, Japan

- Sole developer of an internal Microsoft Power Apps application to track employee vacation time, used by all 100+ employees.
- Automated the OCR auditing of financial documents via Python scripting. Solved Docker memory leaks, wrote pytest unit and integration tests, reviewed and created pull requests.

3M Corporation Jun 2020 — Oct 2020
Software Engineer Intern Remote

- Created a 15% reduction in time needed to generate business critical PowerPoint presentation materials by extending a legacy C# ASP.NET application.

Symantec Corporation Jun 2019 — Sep 2019
Software Engineer Intern Culver City, California

- Developed an internal Slack application written in C# and hosted on AWS Lambda that called various internal and external APIs to assess the safety of URLs, phone numbers and files.
- Developed a JavaScript Chrome extension to detect and counter malicious code injected into E-commerce websites.
- Awarded 2nd place in the 12-hour Intern Cyber wargames hackathon.

Skills & Achievements

- Most proficient in: Python, C#, Unity, JavaScript, AWS, Bash, Docker, Linux, Microsoft SQL Server
- Have worked with: Flask, PowerApps, C/C++, OCaml, Racket, Scheme, Prolog, AngularJS, Java, R
- USACO Platinum Division (2017), National Merit Scholarship Finalist (2018)