Bryce Tsuyuki

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Education

University of California, San Diego *3.93 GPA*
B.S. IN COMPUTER SCIENCE, MINOR IN POLITICAL SCIENCE *Sep. 2019 - Jun. 2023*
- **Regents Scholar:** scholarship awarded to **approximately 1% of students** based on academic excellence
- **Coursework:** Software Engineering, Data Structures, Computer Architecture & Software Optimization, Algorithms, Digital Systems Design

Work Experience

Amazon *Sunnyvale, CA*
SECURITY ENGINEER INTERN *Jun. 2021 - Sep. 2021*
- Used Amazon's **AWS CodeGuru** platform to create command-line tools to automatically detect security vulnerabilities with **Java** and **Bash**
- Automated detection of **CORS** (Cross-Origin Resource Sharing) vulnerabilities via static analysis in web applications and services
- Presented finished CLI tool to the Digital Security team, responsible for security on platforms like Alexa, Kindle, and Fire tablets
- Deployed tool to CodeGuru platform to surface potential CORS vulnerabilities across Amazon codebase

UCSD Computer Science and Engineering Department *San Diego, CA*
INSTRUCTIONAL ASSISTANT *Jan. 2021 - Mar. 2021*
- Served as student tutor for Data Structures I and Software Tools courses for **600+ undergraduate students**
- Taught concepts like **linked lists, stacks, binary search trees, Linux CLI, and Bash scripting** in guided lab hours and one-on-one sessions
- Graded student homework and exams for correctness, functionality, and code style where applicable
- Answered **100+ tutor request tickets** with **99% positive feedback rate**

Bay Area Cyber League *San Jose, CA*
INSTRUCTOR *May 2019 - Aug. 2019*
- Taught intro and advanced cybersecurity camps for **40+ middle & high school students** per week, in collaboration with 4 community colleges
- Developed, tested, deployed, and maintained online cybersecurity competitions for **400+ students** per week

Leadership

Dimensions Conference *San Diego, CA*
OPERATIONS CO-LEAD *Aug. 2020 - Feb. 2022*
- Led a team of **13 organizers** in planning events for the Dimensions technology conference at UC San Diego.
- Planned and hosted **4 days** of workshops, guest speaker events, panels, competitions, career fairs, and social activities.
- Audited event content to ensure it met stringent quality standards, and led volunteer teams to troubleshoot issues during the conference.

Association for Computing Machinery at UC San Diego *San Diego, CA*
VICE PRESIDENT EVENTS *May 2021 - May 2022*
- Managing room scheduling, funding, and logistical pipelines for **100+ events** for 2021-2022 academic year
- Leading **team of 9** in hosting technical workshops, interview preparation, professional development, AV management, and event logistics

VICE PRESIDENT FINANCE *May 2020 - May 2021*
- Managed reimbursement and financial filings with student government body and other campus entities for **100+ events**
- Oversaw and budgeted for **thousands of dollars** in sponsorship money, fundraiser proceeds, and university-allocated funding
- Streamlined reimbursement systems and sponsorship pipeline to allow for new partnerships with industry entities

Projects

ACM Profiles: Social media aggregation and sharing platform *Oct. 2020 - Jan. 2021*
- Product Manager: led team of 7 engineers, established deadlines, reviewed all pull requests, and conducted weekly standup meetings
- DevOps Engineer: built code quality linting and CI/CD pipeline in **Travis**, deployed **React** frontend and **Django** backend to **Netlify** and **Heroku**
- Used **Docker** and **docker-compose** alongside PostgreSQL to ease local database testing for the team's developers

SafariSideloader: Script to convert WebExtensions into Safari 14.0+ compatible format *Jun. 2020*
- Used **Python** to download, extract, and convert WebExtensions from the Chrome Web Store for use in Safari 14.0+
- Built script as a wrapper around Apple's Xcode conversion tools to automate generation of template applications with Safari extensions

Skills

Languages	Java (including Android), C, C++, Golang, PowerShell, Bash, Python, JavaScript
DevOps	Amazon Web Services, Google Cloud, Microsoft Azure, Docker, Kubernetes, Puppet, VMware, Heroku, Netlify, Travis CI
Tools/Frameworks	Git, Linux, GDB, Valgrind, Makefiles, JUnit, Ant, Maven, PostgreSQL, React, Django
Hobbies	Building PCs, Gaming (Pokemon Go, Team Fortress 2, Civilization V), reading technology news, Eagle Scout