Bryce Tsuyuki

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Education

University of California, San Diego *3.95 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
- **Provost's Honors:** awarded to undergraduate students based on academic excellence in previous quarters
- **Coursework:** Intro to CS: Java, Advanced Data Structures: C++, Computer Architecture & Software Optimization, Software Engineering: JavaScript

Work Experience

Amazon *Sunnyvale, CA*

SECURITY ENGINEER INTERN *Jun. 2021 - Sep. 2021*

- Used Amazon's **AWS CodeGuru** platform to create command-line tooling for developers to automatically detect security vulnerabilities
- 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

UCSD Computer Science and Engineering Department *La Jolla, CA*

COMPUTER SCIENCE TUTOR *Jan. 2021 - Mar. 2021*

- Served as student tutor for CSE 12 (Basic Data Structures) and CSE 15L (Software Tools and Techniques) courses for **600+ undergraduate students**
- Taught concepts like **linked lists, stacks, binary search trees, Linux CLI, and Bash scripting** in lab hours, and graded student work
- 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

Association for Computing Machinery at UC San Diego *La Jolla, CA*

VICE PRESIDENT EVENTS *May 2021 - May 2022*

- Managed room scheduling, funding, and logistical pipeline for **100+ events** for 2021-2022 academic year
- Led team of 9 individuals 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 UCSD Associated Students for **100+ events** for 2020-2021 academic year
- Oversaw and budgeted for **thousands of dollars** in sponsorship money, fundraiser proceeds, and university-allocated funding for multiple teams
- Submitted budget proposals to multiple entities on campus, bringing in thousands of dollars in funding, and streamlined reimbursement systems

CyberPatriot National Youth Cyber Defense Competition *Placentia, CA*

FOUNDING PRESIDENT AND VOLUNTEER MENTOR *Sep. 2017 - Jun. 2019*

- Developed curriculum for securing Windows/Linux workstations and servers, laying foundation for multi-year **national semifinalist ranking**
- Taught **70+ middle and high school students** how to secure Windows and Linux servers, workstations, and services like Apache and DNS
- Ranked in **top 20 teams** nationally and reached national semifinals competition **3 years in a row**

Personal Projects

ACM Profiles: Social media aggregation and sharing platform *Oct. 2020 - Jan. 2021*

- Product Manager for a team of 7 developers: 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**
- Utilized **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++, 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	Reading news, creating and maintaining obscure virtual machines, building PCs, gaming, Eagle Scout