Bryce Tsuyuki

(714) 357-1615 | btsuyuki1@gmail.com | brycetsuyuki.com | hexalellogram | bryce-tsuyuki

Education

University of California, San Diego *3.97 GPA*
B.S. in Computer Science, Minor in Political Science *Sep. 2019 - Jun. 2023 (expected)*
- **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, Basic Data Structures: C/C++, Computer Organization & Systems Programming, Digital Systems & Logic Design

Work Experience

IntElect *La Jolla, CA*
Product Manager *Apr. 2020 - Present*
- Oversaw market research, gathered demographic and academic statistics on UC campuses, and distributed product viability surveys
- Spearheaded course matching program which matched key CS skills with **260+ university and online courses** for undergraduates and job seekers

Bay Area Cyber League *San Francisco Bay Area, 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

California State University, Fullerton - Computer Science Department *Fullerton, CA*
Intern *Jun. 2018 - Aug. 2018*
- Researched applications of cybersecurity in healthcare under Prof. Shawn Wang to provide insight into youth views on healthcare data security
- Compiled suggestions on compliance with government data security regulations and best practices into a report for Prof. Wang's research

Leadership

Association for Computing Machinery at UC San Diego *La Jolla, CA*
Vice President Finance *May 2020 - Present*
- Managed reimbursement and financial filings with Associated Students for **100+ events** for 2020-2021 school year
- Oversaw and budgeted for **thousands of dollars** in sponsorship money, fundraiser proceeds, and university-allocated funding
- Administered Amazon Web Services organization with over $2,000 in credits

Association for Computing Machinery at UC San Diego *La Jolla, CA*
Staff Director *Nov. 2019 - May 2020*
- Connected **60+ volunteer staff members** with instructional workshops and opportunities on a monthly basis
- Coordinated volunteer staff in providing logistical and instructional support to **850+ community members**

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

SafariSideloader: Script to convert WebExtensions into Safari 14.0+ compatible format *Jun. 2020 - Present*
- 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

FlyerScanner App (SDHacks 2019): AI-powered calendar event generator for Android *Oct. 2019*
- Used **AWS Comprehend ML** to analyze photos of event flyers and extract information such as event titles, descriptions, dates, and times
- Employed open source ical4j library to manage events and generate .ics files for event export, in compliance with iCalendar standard
- Built application for users to enter data into calendaring applications for increased productivity, without tedious manual entry

Cyber Activity Tracking System: Google Form viewing and competition troubleshooting app *Jun. 2018 - Jan. 2019*
- Used Google Sheets API, Google Forms, and Google OAuth login technology, with JSON import/export via Google Gson library
- Built application for cybersecurity competition administrators to triage and troubleshoot geographically disparate competition issues

Skills

Languages Java (including Android), C, C++, ARMv6 Assembly, PowerShell, Bash, Python
Tools/DevOps Git, Linux, GitHub, GDB/Valgrind, Makefiles, VMware, JUnit, Ant, Maven, AWS, Google Cloud, Azure, Docker
Hobbies Reading news, creating and maintaining obscure virtual machines, building PCs, Pokemon Go, Team Fortress 2