Bryce Tsuyuki

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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:** extremely prestigious 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:** Introduction to Computer Science/Object-Oriented Programming: Java, Basic Data Structures: C/C++, Digital System/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 introductory and advanced cybersecurity skills summer camps for **40+ middle and high school students** per week
- 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 and Staff Director   *Nov. 2019 - 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
- 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   *Python Script*
Lead/Backend Developer   *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 flyer scanner and calendar event generator   *Android App*
Backend Developer   *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   *Java Swing Application*
Lead Developer   *Jun. 2018 - Jan. 2019*

- Utilized 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/Scripting	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 Platform, Azure
Personal Hobbies	Reading news, creating and maintaining obscure virtual machines, building PCs, Pokemon Go, Team Fortress 2