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 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 in Java, Basic Data Structures in 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 30 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 Professor 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
- 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 teaching curriculum for securing **Windows** and **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 workstations/servers, helping them achieve national semifinalist rank

Personal Projects

SafariSideloader - Script to convert WebExtensions into Safari 14.0+ compatible format *Android App*
Lead/Backend Developer *Oct. 2019*

- Used **Python** to download, extract, and convert extensions from the Chrome Web Store for use in Safari 14.0+
- Built script as a wrapper around Apple's Xcode conversion tools to automate this and generate template applications

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 Desktop 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

Frameworks	MongoDB, Java Swing, JUnit, Google Sheets API, Ant, Maven, Bulma CSS
Languages/Scripting	Java (including Android), C, C++, ARMv6 Assembly, JavaScript, PowerShell, Bash, Python, SystemVerilog
Tools/DevOps	Git, Unix/Linux, GitHub, GDB, Valgrind, IntelliJ IDEs, Makefiles, VMware, Amazon Web Services, Google Cloud Platform
Personal Hobbies	Reading news and current events, virtual machines, building PCs, Pokemon Go, gaming