

# 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:** 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 - Sep. 2020

- 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

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, GDB/Valgrind, Makefiles, VMware, JUnit, Ant, Maven, AWS, Google Cloud, Azure, Docker, Kubernetes, Puppet, SQL

**Hobbies** Reading news, creating and maintaining obscure virtual machines, building PCs, Pokemon Go, Team Fortress 2