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

Relevant Coursework

Object-Oriented Programming (Java/C/C++) Introduction to OOP, implementation of data structures and algorithms

Computer Organization and Systems Programming C programming language, ARM assembly, organization of computer systems

Work Experience

IntElect   *Greater San Diego Area, CA*

PRODUCT MANAGER   *Apr. 2020 - Present*

- Oversaw market research, gathered demographic and academic statistics on UC campuses, and distributed product viability surveys
- Spearheaded a 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 various online competitions involving 400+ students per week, reinforcing their cybersecurity skills

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 AND STAFF DIRECTOR   *Nov. 2019 - Present*

- Managed reimbursement and financial filings with Associated Students for over 100+ ACM @ UCSD events for 2020-2021
- Oversaw and budgeted for thousands of dollars in sponsorship money, fundraiser proceeds, and university-allocated funding
- 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+ members of the ACM @ UCSD community

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

FlyerScanner App (SDHacks 2019) - AI-powered flyer scanner and calendar event generator   *Android App*

BACKEND DEVELOPER   *https://git.io/CATS-OSS*

- Utilized **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
- Allowed 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   *https://git.io/FlyerScanner*

- Utilized **Google Sheets API**, Google Forms, and **Google OAuth login** technology, with **JSON** import/export via **Google Gson** library
- Allowed 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