Bryce Tsuyuki

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Work Experience

Bay Area Cyber Competitions *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

California State University, Fullerton - Computer Science Department *Fullerton, CA*
INTERN *Jun. 2018 - Aug. 2018*
- Researched applications of cybersecurity in healthcare under Professor Shawn Wang
- Authored a collaborative report about the findings of this research
- Compiled suggestions on compliance with government data security regulations and best practices for data security

Education

University of California, San Diego *4.0 GPA*
B.S. IN COMPUTER SCIENCE, MINOR IN POLITICAL SCIENCE *Sep. 2019 - Jun. 2023*
- UCSD Regents Scholar - awarded to entering undergraduate students based on academic excellence
- Warren College Honors - awarded to undergraduate students based on academic excellence in previous quarters

Extracurricular Activities

Association for Computing Machinery at UC San Diego *La Jolla, CA*
STAFF DIRECTOR *Nov. 2019 - Present*
- Connected 50+ volunteer staff members with instructional workshops and opportunities on a monthly basis
- Coordinated volunteer staff in providing logistical and instructional support to other members of the ACM 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 national semifinalist ranking
- Taught 70+ middle and high school students how to secure Windows and Linux workstations and servers

Honors & Awards

2019	**International Baccalaureate Degree,** Valencia High School
2019	**Valencia Technology Degree - Computer Science Pathway,** Valencia High School
2018 - 19	**National Semifinalist,** CyberPatriot National Youth Cyber Defense Competition
2018	**Eagle Scout with Bronze and Gold Palms,** Boy Scouts of America, Orange County Council, Troop 811
2018	**3rd Place,** Orange County Mayors' Cup Cyber Defense Competition
2016 - 17	**Regional Finalist, Gold and Platinum Tiers,** CyberPatriot National Youth Cyber Defense Competition

Personal Projects

FlyerScanner App (Project for SDHacks 2019) *Android App*
BACKEND DEVELOPER
- 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
- Integrated with Android camera system libraries for photographic functions
- Allowed users to enter data into calendaring applications for increased productivity, without tedious manual entry

Cyber Activity Tracking System *Java Desktop Application*
LEAD DEVELOPER
- Integrated with the Google Sheets API, Google Forms, and OAuth technology stack
- Capable of functioning in online mode, with sync to Google Forms/Sheets, and offline mode, with export to JSON
- Utilized Google Gson library to implement JSON import and export
- Allowed cybersecurity competition administrators to triage and troubleshoot geographically disparate competition issues

Skills

Frameworks	React, MongoDB, Java Swing, Google Sheets API
Programming	Java (including Android), C, C++, JavaScript, PowerShell
Tools/DevOps	Git, Unix tools, GitHub, Amazon Web Services, Google Cloud Platform