
OBJECTIVESeeking a Software Development Internship for Summer 2021

EDUCATION**University of California, San Diego****La Jolla, CA***M.S. Computer Engineering '22 | B.S. Computer Engineering '21 | Music Minor**September 2017 – Anticipated June 2022*

- Cumulative GPA: 3.877

Provost Honors: Winter 2018 – Spring 2020

PROGRAMMING SKILLS

Proficient: Java | Python | C/C++ | Objective-C | SQL | JavaScript | ReactJS | React Native | HTML | CSS | JUnit | Git | Agile
Familiar: proto3 | Figma | SystemVerilog | AWS | Mockito | Spring | Assembly | NodeJS | Django | Postgres | Selenium | Linux

WORK EXPERIENCE**Snap Inc.****Santa Monica, CA***iOS Software Engineering Intern, Games/Minis Features**June 2020 – September 2020*

- Working in Objective-C for iOS to develop features and fix bugs in the Games/Minis Platform on the Snapchat application
- Onboarded Snippets (Games/Minis stickers) to a new internal framework to allow for saving Snippets to Memories
- Implemented game share optimizations of pre-selecting recipients in share flow, resulting in increased share volume by 20%
- Developed new unified share card design for Games/Minis available to the 200+ million daily active users of Snapchat
- Implemented the Games/Minis Tray (rocket icon) button with deep linking functionality available in user profile chat bars

Amazon.com**Seattle, WA***Software Development Engineering Intern, Chaos Engineering**June 2019 – September 2019*

- Developed using Java Agents a new method of binding Gremlin application-level failure injection types to services, reducing burden to onboard services with Gremlin by 90% (10 hours to 1 hour), providing a total savings of 1.5k+ developer hours
- Contributed to development in maintenance and addition of new features of Chaos Engineering
- Contributed to internal Java Agent framework utilized across the company (AWS X-Ray, internal tooling, testing)

Vocera Communications**San Jose, CA***Intern, Test Engineer**June 2018 – September 2018*

- Fixed functionality issues and improved 25+% performance of the Selenium/Python test suite for the Web Console automation Agile Scrum project; recognized by VP R&D, CTO and CEO
- Developed new Selenium/Python automation scripts for testing Web Console and Voice Server interactions on Windows OS
- Designed and developed Voice Command Locale Pack Tool for test engineering; first tool to support different Locale Packs
- As assistant to SW Director, developed Excel VBA automated visualization and analytics from JIRA bug tracking dataset

Qualcomm Institute, UCSD College of Engineering**La Jolla, CA***Web Developer**April 2018 – March 2019*

- Designing and developing the institution portal with the ReactJS framework and front-end web design languages
 - Developing web apps for annual workshop for the Information Theory and Applications Center at ita.ucsd.edu/ws/
-

PROJECTS**“build-a-website” Course at Mar Vista High School***March 2019 – Present*

- Lead a team to create a course intended to teach students more about computer science at wes-chen.github.io/build-a-website
 - Course teaches students how to use HTML, CSS, Bootstrap, and JavaScript to create their own professional websites
-

RELEVANT COURSEWORK AND SKILLS

AWS Certified Cloud Practitioner | Operating Systems (Java, Linux) | Components & Design Techniques for Digital Systems (SystemVerilog) | Database System Principles (SQL) | Advanced Data Structures (C++) | Software Engineering (React Native, Agile) | Design & Analysis of Algorithms | Computer Organization and Systems (C, ARM Assembly) | Circuits | Analog Design | Data Science (Python) | Brain Computer Interfaces | Engineering Probability & Statistics

LEADERSHIP**Triton Software Engineering (TSE)****La Jolla, CA***President, Vice President - External, Developer**May 2019 – Present, April 2017 – May 2019, January 2018 – June 2018*

- As President, oversaw development of the organization to further impact the community through technical development workshops and project teams. Increased from 1 community partner project to 7 projects simultaneously.
- As VP External, connected TSE (tritonse.github.io) to external organizations in need of pro bono software development services and acted as liaison for the development of projects between project managers of TSE and external organizations
- Key developer in an Agile Scrum project implementing the OrgMatch website using HTML, CSS, JavaScript, Python, Django and PostgreSQL, which matches volunteers to non-profit organizations needing volunteer help