Wesley Chen

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OBJECTIVE   Seeking 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 | SystemVerilog | AWS | Mockito | Spring | Assembly | NodeJS | Django | PostgreSQL | Selenium | Linux

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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
- Implemented new unified share card design for Games/Minis available to the 200+ million daily active users of Snapchat
- Developed the Games/Minis Tray (rocket icon) button with linking functionality available in user profile chat bars
- Onboarded Snippets (Games/Minis stickers) to a new internal framework to allow for saving Snippets to Memories

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

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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

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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