Wesley Chen

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OBJECTIVE   Seeking a Full Time Software Development (Machine Learning) Engineering Position

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EDUCATION

University of California, San Diego   **La Jolla, CA**
M.S. Electrical Engineering (Computer Engineering)   *September 2021 – Anticipated June 2022*
University of California, San Diego   **La Jolla, CA**
B.S. Computer Engineering | Music Minor   *September 2017 – June 2021*
- Cumulative GPA: 3.91   Provost Honors: Winter 2018 – Spring 2021

PROGRAMMING SKILLS

Java | Python | C/C++ | Objective-C | PyTorch | SQL | JavaScript | ReactJS | React Native | Assembly | HTML | CSS | JUnit | Git | proto3 | SystemVerilog | Verilog | AWS | Mockito | Spring | NodeJS | PostgreSQL | MATLAB | Figma | Windows | 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
- 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

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PROJECTS

"build-a-website" Course at Mar Vista High School, United Women of East Africa   *March 2019 – Present*
- Lead a team to create a course intended to teach students more about computer science at *tritonse.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 | Deep Learning (PyTorch) | AI: Search, Reasoning, Optimization | Computer Architecture (Assembly, SystemVerilog) | Computer Security | Operating Systems | Database System Principles (SQL) | Brain Computer Interfaces | Algorithms | Advanced Data Structures (C++) | Software Engineering (React Native, Agile) | Interaction Design | Circuits and Systems | Analog Design | Data Science (Python) | Engineering Probability & Statistics

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LEADERSHIP

Triton Software Engineering (TSE)   **La Jolla, CA**
President, Vice President - External, Developer   *January 2018 – Present*
- Oversaw the development of a ~70 member student organization aimed to impact the community by offering pro-bono technical services to 15+ non-profit organizations, as well as hosting workshops and programs for computer science education.

LANGUAGES   English (Native Speaker), Mandarin Chinese (Fluent), Spanish