

Wesley Chen

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github.com/wes-chen

EDUCATION

University of California, San Diego

La Jolla, CA

B.S. Computer Engineering | Minor in Music | Wind Ensemble Percussionist

September 2017 – Anticipated June 2021

• Cumulative GPA: 3.83

Provost Honors: Winter 2018, Spring 2018, Fall 2018, Winter 2019, Spring 2019

PROGRAMMING SKILLS

Proficient: Java | Python | C/C++ | JavaScript | ReactJS | React Native | HTML | CSS | JUnit | Perforce | Git | Jira | Agile

Familiar: AWS | Mockito | Spring | Assembly | NodeJS | Django | PostgreSQL | Linux | Windows | Selenium | Microsoft VBA

WORK EXPERIENCE

Amazon.com

Seattle, WA

Software Development Engineering Intern

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 internal AlphaOne 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/

Triton Software Engineering (TSE)

La Jolla, CA

Developer

January 2018 – June 2018

- 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
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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

MESA National Engineering Design Challenge - Prosthetic Arm Challenge

September 2015 – April 2017

- Lead a team to prototype a low-cost prosthetic arm with Arduino and Arduino C and present engineering process to judges
 - Two-time winner of the San Jose State University MESA Day Competition 2016 and 2017
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RELEVANT COURSEWORK AND SKILLS

AWS Certified Cloud Practitioner: Certification for demonstrating an effective overall understanding of the AWS Cloud

Software Engineering: Using technical skills to collaborate in a fast paced team to develop a working mobile application

Advanced Data Structures: C++ language, high performance data structures and supporting algorithms, performance analysis

Computer Organization and Systems Programming: C lang and ARM Assembly languages, Linux systems programming

Basic Data Structures and Object-Oriented Design: Java and C, algorithms, test driven development, JUnit framework, OOP

Software Tools and Techniques: Linux development environment, shell scripting, Eclipse IDE, GDB, Valgrind, GIT

LEADERSHIP

Triton Software Engineering (TSE)

La Jolla, CA

President, Vice President - External

May 2019 – Present, April 2017 – May 2019

- As President, oversaw development of 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
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LANGUAGES

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