

# Wesley Chen

github.com/wes-chen

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## 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: 3.78

Provost Honors: Winter 2018, Spring 2018, Fall 2018

### Santa Teresa High School

San Jose, CA

• Cumulative GPA: 4.0 unweighted. Valedictorian.

August 2013 – May 2017

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## PROGRAMMING SKILLS

Proficient: Java | Python | C | C++ | ReactJS | HTML | CSS | Selenium | Microsoft VBA | Perforce | Git | Jira | Agile | Scrum

Familiar: JavaScript | ARM Assembly | NodeJS | Shell Scripting | Django | PostgreSQL | Linux | Windows | Arduino

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## WORK EXPERIENCE

### 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 – Present

• 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/](http://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 and teach students how to create their own website at [wes-chen.github.io/build-a-website](http://wes-chen.github.io/build-a-website)

### Prosthetic Arm Challenge

September 2015 – April 2016; September 2016 – April 2017

• Lead a team to prototype a low-cost prosthetic arm with Arduino in the MESA National Engineering Design Challenge

• Programmed with Arduino C to facilitate movement of the digits of the arm

• Two-time winner of the San Jose State University MESA Day Competition 2016 and 2017

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## COMPETITIONS

### High School Capture The Flag Competition (HSCTF)

May 2014

• Ranked 54th out of over 2000 nationwide competitors in a high school computer science competition team.

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## RELEVANT COURSEWORK AND SKILLS

**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

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

**Object-Oriented Programming:** Java language and principles, software engineering approach to OOP

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## LEADERSHIP

### Triton Software Engineering (TSE)

La Jolla, CA

Vice President, External

April 2017 – Present

• Connected TSE to external organizations in need of pro bono software development services

• Acted as liaison for the development of projects between project managers of TSE and external organizations

### MESA (Math, Engineering, Science, Achievement)

San Jose, CA

President, Vice President

Sept 2013 – May 2017

• Served as President 2015-17 and Vice President 2013-15, led the club to the most first place wins in competitions in district.

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## LANGUAGES

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