

# WESLEY A. CHENG

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## EDUCATION

**University of California, San Diego (UCSD)** **San Diego, CA**

*B.S. Math-Computer Science & B.A. International Studies-Economics, GPA: 3.75* *Sep 2016 – Dec 2019*

**Relevant Courses:** Data Structures, Algorithms, Statistics, Combinatorics, Linear Algebra, Machine Learning

**London School of Economics and Political Science (LSE)** **London, UK**

*Finance Summer School* *Jun 2017 – Sep 2017*

## WORK EXPERIENCE

**Qualcomm Technologies Inc. (Qualcomm)** **San Diego, CA**

*Software Engineer (ML)* *Feb 2019 – Present*

**San Diego Supercomputer Center (SDSC)** **San Diego, CA**

*Junior DevOps Engineer (Data)* *Oct 2018 – Dec 2019*

- Developed, with DevOps Lead, an automated self-healing white-box log monitoring analytics platform
- Reduced annual server maintenance time from 12 days to 1 day with 12x productivity increase
- Implemented with Docker, Kubernetes, Ansible, Elasticsearch, Logstash, Kibana, Beats, Kafka, Nginx

**Expressive Inc.** **Berkeley, CA**

*Fullstack Web Developer Intern (Fullstack)* *Jun 2019 – Aug 2019*

- Developed, with CEO, a React frontend for an expressive AI avatar commercial cloud platform
- Improved user-friendliness, accessibility, and latency by 1.5x reduction
- Implemented with React, Node.js, Three.js, HTML, CSS, JavaScript, Bootstrap, Heroku, Websockets

**Caulis Inc.** **Tokyo, Japan**

*Software Engineering Intern (Backend)* *Jun 2018 – Aug 2018*

- Developed, with CTO, a complex event processing engine (CEP) to detect real-time bank fraud
- Reduced processing time from 7 days to 1 day with 7x productivity increase
- Implemented with Python, Scala, SQL, Spark, Zeppelin, Linux, Docker, AWS

**Red Cross Tijuana** **San Diego, CA**

*Android Mobile Developer (Mobile)* *Mar 2018 – Jun 2018*

- Developed, with teammates, a geofencing feature for an ambulance dispatching system
- Upgraded an existing dispatching application with geofences to automate ambulance state changes
- Implemented with Java, Android Studio

**UCSD Global TIES (ASU & Drexel University)** **San Diego, CA**

*Frontend Web Developer (Frontend)* *Mar 2018 – Jun 2018*

- Developed, with teammates, an engineering job portal as a minimum viable product (MVP)
- Built a platform for engineers to collaborate on projects and provide mentor-mentee interest matching
- Implemented with HTML, CSS, JavaScript, Bootstrap, Node.js

## SKILLS

**Languages:** Python, JavaScript, HTML, CSS, C, C++, SQL, Bash

**Tools:** Vim, Git, Docker, Kubernetes, Bootstrap, React, Node.js, Elasticsearch, Logstash, Kibana, Ansible

**Platforms:** AWS, Heroku, GitHub, DockerHub, OpenStack, Linux, Windows, Mac, Jira, Confluence

## COMMUNITY ENGAGEMENT

**Community:** IEEE-Eta Kappa Nu (HKN), ACM, UCSD Student Foundation Investment Committee

**Leadership:** HKN Math-Computer Science Chair, HKN Mentor, UCSD Global Ambassador

**Volunteer:** Wikipedia Contributor, Open Source Contributor, UCSD Student Foundation Equity Analyst

**Awards:** Social Innovation Sprint 1st Place Winner, Most Active HKN Member, UCSD Provost Honors