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*
- Architected, with CEO, a commercial cloud platform for smart digital expressive AI avatars
- Upgraded a plain JS frontend to a React-Bootstrap component-based analytics dashboard
- 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, C, C++, JavaScript, HTML, CSS, 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