

# Justin Chen

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☎ (408) 705-0635

## EDUCATION

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### University of California, San Diego

Bachelor's of Science, Computer Science | GPA: 3.92

La Jolla, CA

September 2017 - June 2021

Relevant Coursework:

Math 18: Linear Algebra | Math 20C: Multivariable Calculus

CSE 100: Advanced Data Structures | CSE 101: Design and Analysis of Algorithms

CSE 110: Software Engineering | CSE 132A: Database System Principles

CSE 150: Introduction to AI: Search and Reasoning

## KEY SKILLS

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Languages: Java, Python, Javascript, HTML/CSS, C, C++, MATLAB

Frameworks/Tools: ARM, React, MySQL, Splunk, Android

## EXPERIENCE

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### American Express

Software Engineering Intern (Mobile SRE Team)

New York City, NY

June 2019 - August 2019

- Used Python to analyze and visualize traffic data from millions of mobile users across 10+ regions from Splunk logs to determine the effect of a force upgrade
- Integrated Dynatrace into the Android app (in Kotlin) to provide real user monitoring and report the availability/reliability of the system
- Developed a scoring matrix to categorize user traffic data and flag attack traffic from certain IPs that should be blocked

### UC San Diego CSE Department

Tutor

La Jolla, CA

September 2018 - June 2019

- Helped run CSE 11, the introduction computer science course, and CSE 30, Computer Organization and Systems Programming
- Provided 1 on 1 help for students during lab hours
- Graded exams, quizzes, and programming assignments

### Lacework

Software Engineering Intern

Mountain View, CA

June 2018 - September 2018

- Developed an interface for inserting and retrieving contract information stored in different cloud databases (Snowflake, Amazon Aurora)
- Built an intuitive UI to allow customers to view their recent contract and usage history
- Used the Jira/Datadog APIs to create alert notifications when certain events are triggered
- Created an interface for converting JSON objects to parameterized MySQL statements

### Boston University

Research

Boston, MA

July 2016 - August 2016

- Researched a novel circuit design to more efficiently convert AC to DC
- Used MATLAB/Simulink to simulate circuit configurations to test the accuracy of theoretical calculations and built circuits powered by Arduino to test the simulations
- Created/presented [poster](#) during a symposium to students and faculty
- Research paper has been [published](#) in the New Journal of Physics