Justin Chen

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Education

University of California, San Diego

La Jolla, CA

B.S. in Computer Science, GPA: 3.92 — *September 2017 - June 2021*

- ***Computer Science Coursework***
  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
- ***Math Coursework***
  Math 18: Linear Algebra, Math 20C: Multivariable Calculus, Math 183: Statistical Methods

Skills

- ***Languages***: Java, Python, Javascript, HTML/CSS, C, C++, MATLAB
- ***Tools/Frameworks***: ARM, React, MySQL, Splunk, Android

Work Experience

American Express

New York City, NY

Software Engineering Intern — *Jun. 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

La Jolla, CA

Course Tutor — *September 2018 - present*

- 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 weekly lab hours
- Graded exams, quizzes, and programming assignments

Lacework

Mountain View, CA

Software Engineering Intern — *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

Boston, MA

Research — *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