

Daniel Y. Zhang

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EDUCATION

UC BERKELEY

BA IN COMPUTER SCIENCE
Class of 2020 | Berkeley, CA
GPA: 3.970 / 4.0 (Top 1%)

FREMONT HIGH SCHOOL

Class of 2016 | Sunnyvale, CA
Salutatorian and Graduation Speaker
GPA: 3.980 / 4.0 (Top 1%)

SKILLS

LANGUAGES

Java • JavaScript / TypeScript • Python •
C++ • C • C# • SQL / Hive • HTML • CSS
LaTeX • Lisp • Go • Apache Pig

FRAMEWORKS

ReactJS • Flask • Tornado • ASP.NET •
NumPy/SciPy/Pandas • Amazon S3 (AWS)
• Amazon EMR (AWS) • Gradle

PROJECTS

NOMMERY | Nov. 2017

Helped a local restaurant startup pinpoint areas for future growth by conducting exploratory data analysis with the NumPy and SciPy frameworks.

AEGIS | FEB. 2017

Built a Chrome extension that provided mental health resources to users based on search histories by interfacing with IBM's Watson API through a NodeJS server.

LINKS

Github:// [dzdaniel84](#)
LinkedIn:// [daniel-y-zhang](#)

COURSEWORK

Artificial Intelligence • Databases •
Computer Architecture • Discrete
Math • Data Struct. • Optimization
Models • Foundations of Data Science
• Natural Lang. Processing •
Operating Systems • Computer
Security • Parallel Computing

RESEARCH/WORK EXPERIENCE

GODADDY | SOFTWARE DEVELOPMENT INTERN

May 2019 – Aug 2019 | Sunnyvale, CA

- Migrated and refactored pipeline for TLD zone file processing from on-site Hadoop to Amazon AWS, making it 35% faster and more fault tolerant.
- Designed new data pipeline with Apache Pig to generate statistics on customer leakage to rival domain registrars and analyze company competitiveness.
- Wrote and integrated a domain availability checker for .uk domains with existing domain look-up code in Java, improving company reach in British markets.

WISH | SOFTWARE ENGINEERING INTERN

May 2018 – Aug 2018 | San Francisco, CA

- Constructed new cross-platform referral landing page using ReactJS and Redux that increased new user conversion rates by 4%.
- Implemented a new order history page for customers, improving user flow, decreasing page loading time by 30% and increasing GMV by 1.3%.
- Ported new daily login bonus feature to web app with Tornado API calls in order to incentivize continued shopping on site.
- Expanded support cases for automated customer support help bot, decreasing support ticket creation by 20% and increasing GMV by 2%.

PROLABS | SOFTWARE ENGINEERING INTERN

Jun 2017 – Aug 2017 | Santa Clara, CA

- Constructed a web application with Flask that automated the cleaning and parsing of warehouse information from international company suppliers.
- Established a secure login system to restrict sensitive internal information from company partners while still giving access to certain functions.

UC BERKELEY EECS | UNDERGRADUATE STUDENT INSTRUCTOR

Aug 2018 – Present | Berkeley, CA

- Course instructor for CS 61C (Machine Structures) and CS 186 (Databases), handling logistics ranging from hiring to room assignments for sections.
- Guide the development of new course material and training of course lab assistants and junior mentors.
- Run laboratory sections teaching students principles of C coding, assembly language, and computer architecture.

BERKELEY AI RESEARCH LAB | UNDERGRADUATE RESEARCHER

May 2019 – Present | Santa Clara, CA

- Parallelized the generation of contraction hierarchies for directed network graphs to more effectively solve traffic routing problems.
- Developed a library written in C++ to efficiently process and analyze open-source .TNTF transportation networks to assist in traffic assignment research.

AWARDS AND HONORS

2017 Dean's List Honors
2016 Cal Alumni Association Leadership Award Recipient
2016 Robotics @ Berkeley Grand Prize Recipient
2016 National Merit Scholar
2015 USACO Platinum Division Competitor