Daniel Y. Zhang

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EDUCATION

STANFORD UNIVERSITY
MS in Computer Science
GPA: 3.960/4
Class of 2023 | Stanford, CA

UC BERKELEY
BA in Computer Science
GPA: 3.972/4
Class of 2020 | Berkeley, CA

SKILLS

LANGUAGES
C# • Python • C++
Python • C++ • C • JavaScript / TypeScript • SQL

FRAMEWORKS
NumPy & SciPy • Pandas
ASP.NET • React JS
S3 (AWS) • EMR (AWS)

LINKS

Github:// **dzdaniel84**
LinkedIn:// **daniel-y-zhang**

COURSEWORK

GRADUATE
Parallel Computing
Artificial Intelligence
Mining Massive Data Sets
Computer Vision
Deep Learning
Natural Lang. Processing
Spoken Lang. Processing

UNDERGRADUATE
Algorithms
Data Structures
Operating Systems
Optimization Models
Security
Undergrad Student Instructor 3x
Computer Architecture
Undergrad Student Instructor 1x
Databases

WORK EXPERIENCE

ROBLOX | Senior Software Engineer
Sep 2022 – Pres. | San Mateo, CA

- Backend and Machine Learning engineer on Creator Services Natural Language Processing Team.

ROBLOX | Software Engineer
May 2020 – Sep 2022. | San Mateo, CA

- Backend engineer on Creator Services Translation Team.

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.

RESEARCH

BERKELEY AI RESEARCH LAB | Undergraduate Researcher
May 2019 – May 2020 | Berkeley, CA
Worked with **Theophile Cabannes** and **Prof. Alexandre Bayen** to simulate and study the effects of selfish routing from mobile traffic apps on resident mobility in the Mission San Jose neighborhood of Fremont, CA.

AWARDS AND MEMBERSHIPS

2020 Roblox Hack Week Finalist
2020 Phi Beta Kappa Honor Society Member
2017 Upsilon Pi Epsilon Honor Society Member
2016 Cal Alumni Association Leadership Award Recipient
2016 National Merit Scholar
2015 USACO Platinum Division Competitor

PUBLICATIONS

[1] D. Zhang, T. Cabannes, Y. Farid, J. MacFarlane, and A. Bayen. Design of counter measures to selfish, uncoordinated routing behavior in networks. 8th International Symposium on Dynamic Traffic Assignment, 2020.