Jason Diwa

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EDUCATION

University of California, Berkeley | Bachelors, Computer Science; Minor, Data Science **Aug. 2019 - May 2023**

- **Relevant Coursework:** Data Structures & Algorithms, Principles and Techniques of Data Science, Database Systems, Computer Security, Operating Systems and Systems Programming, Machine Learning, Artificial Intelligence

SKILLS

Languages: Python, Java, C, Go
Web/Mobile Technologies: HTML, CSS
Data Science: Pandas, SQL, MongoDB, R
Version Control: Git

EXPERIENCE

Admissions Fellow **Aug. 2022 - June 2023**
HelloAO | Austin, TX

- Co-presented live Q & As alongside former college admissions officers. Scheduled 1-on-1 appointments with students and families to discuss college applications and provide advice.

Private Tutor **Aug. 2017 - Aug. 2018**
Self-employed | Pleasanton, CA

- Met in-person and online to assist students in improving fundamental math skills and develop strong work habits.

PROJECTS

Neural Network

- Implemented the forward and backward passes of a convolutional neural network in Python.
- Built a CNN using PyTorch and used it to classify images and detect spam emails.

Database System

- Worked in a two-person team to design and implement core functionalities of a database system in Java, including indexing, and recovery.
- Used Git for version control and met regularly to align action steps.

End-to-End Encrypted Filesystem

- Worked in a two-person team to design and build an end-to-end encrypted file system in Golang.
- Made use of authenticated encryption to ensure data confidentiality, authenticity, and integrity.

Personal Server/Website

- Set up a personal server and used it to host my personal website, encrypted storage, and email.
- Currently redesigning the website backend using Go.

OUTREACH

Volunteer - MedShare **Aug. 2016 - Present**
MedShare| San Leandro, CA

Sorted and packaged shipments of surplus medical supplies for direct delivery to communities in need worldwide.