

UMA UNNI

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EDUCATION

University of California, Berkeley

August 2017 – May 2021

B.A., Computer Science

GPA: 3.32

Relevant Coursework: Data Structures & Algorithms, Efficient Algorithms & Intractable Problems, Machine Structures, Signal Processing, Intro to Data Science, Introductory Electrical Engineering

WORK EXPERIENCE

IBM

June – August 2019

Full Stack Software Developer Intern

- Developed Perl and Python scripts to set up development sandbox environments on Unix servers
- Worked in an Agile, collaborative environment and coordinated with developers to determine the most useful sandbox functionality to implement
- Consolidated and restructured an existing codebase to increase readability and portability

UC Berkeley EECS Department

January 2019 – present

CS 61A Staff Tutor

- Taught small sections of introductory CS students on a weekly basis, covering the fundamentals of programming and software design
- Helped students in office hours, and assisted with grading and website maintenance

SELECTED PROJECTS

Judgement Database for Sustainable Fashion

IBM Intern Hackathon, 2019

- Built a web app that uses image recognition to identify a clothing brand logo and retrieve information about that brand's sustainability, labor practices, and more.
- Developed backend and REST API with Flask to handle image processing and database queries

Feelsbot

Treehacks 2018

- Worked with natural language processing to develop an adaptive speech therapy chat bot for autistic users, to improve conversational fluidity and emotional expression in users.
- Integrated sentiment analysis and face detection techniques to provide real-time feedback and adapt to the user's emotional state

Rover

CalHacks 4.0, 2017

- Built a classroom web app tool that uses machine learning to pull important key terms from a lecture and retrieve relevant learning materials from the internet (Shazam for scholars!)
- Handled front-end development; integrated browser audio capture and back-end cloud services

TECHNICAL SKILLS

Languages

Python, Java, C, Go, Perl, HTML, CSS, Javascript, SQL

Frameworks/Other

Flask, software design, web development, Unix, Google App Engine

HONORS & AWARDS

- 2017 National Merit Scholar
- Cal Alumni Association Leadership Award (2017)