Rohan D'Souza

(805) 490-0421 rohan.ds1001@berkeley.edu github.com/rodsouza9
linkedin.com/in/rohan-d-souza https://medium.com/@rodsouza9

I am a Computer Science student working towards a deeper knowledge on understanding how artificial intelligence will play a key role in public education, measuring engagement and IoT. I am excited to be at the cross section of witnessing how machine learning will impact the way we work, live and learn in the future. My interests lie in machine learning, automation in the tech force and A/B testing. I look forward to working with and learning from the leaders in this space and actively contribute to the community to improve humanity.

EDUCATION

University of California Berkeley -- **3.40/4.00** Berkeley, CA
B.A. Computer Science Expected: May 2021
Coursework: Structure and Interpretation of Computer Programs (Python, Scheme, SQL); Object-Oriented Programming (Java, Python); Data Structures and Algorithms (Java); Computer Architecture (C, RISC-V); Electrical Engineering and Linear Algebra (Python); Discrete Mathematics and Probability

Newbury Park Highschool Newbury Park, CA
Unweighted: **3.87/4.00** June 2018
Coursework: AP Computer Science A (Java) AP Computer Science Principles (HTML, CSS, JavaScript)

EXPERIENCE

City of Thousand Oaks Thousand Oaks, CA
Sustainability Data Analysis Intern June 2017 – September 2017
- Developed a novel Python application with xlwings to consolidate 7 years of Household Hazardous Waste data from disparate sources.
- Utilized the application in trend analysis of the use of Hazardous Waste sites to predict participation and optimize personnel hiring throughout the year.

Veteran's Affairs Clinic & International League Against Epilepsy Thousand Oaks, CA
Web/Mobile Developer January 2017 – Present
- Currently working with doctors to digitize and organize Epilepsy drug transfer therapy information to assist doctors in steadily transitioning epilepsy patients between drug therapies.
- Using, Cordova, HTML, CSS, JavaScript to develop a website and mobile application that will make the drug information be more readily accessible to doctors in remote areas of the world.

ACTIVITIES / SIDE PROJECTS

2020 Election App September 2019 - Present
Using Flutter, Google's open-source mobile application development framework, and Firebase to create an Instagram / Twitter style personalized feed for following along with the 2020 Elections. We are trying help people stay informed while appealing to the new way of consuming information.

Spotify App September 2018 - Present
Utilizing HTML, CSS, JavaScript, Node.js, MySql, and AWS S3 service to develop a web and mobile application that will pair Spotify users with other students at their university to see concerts based on similar music interests.

Tucker Ticker June 2019 – August 2019
Used Flutter to write a parody ios app that helps in measuring the average interruption rate of Tucker Carlson, conservative political commentator on Fox News.

Yelp Maps June 2019 – August 2019
Implemented supervised (k-means) and unsupervised (least-squares linear regression) learning algorithms to segment a map into user-specific preference categories. Predicted restaurant ratings to form map categorization and segmentation.

UAV @ Berkeley (club) September 2019 – Present
Collaborating with a large team to research and develop three-dimensional path planning for fixed-wing UAVs' using multi-objective evolutionary algorithms. These algorithms will be used in the annual nationwide Student Unmanned Aerial Systems Competition in the 2020 summer.

AWARDS

Boy Scouts of America Thousand Oaks, CA
Eagle Scout November 2017 – Present
Served as a leader for numerous years in my Troop as an instructor, managing the website, teaching lifesaving skills, and eventually co-developing an application to manage finances.

SKILLS

Languages: Java, Dart, Python, Scheme, HTML, CSS, JavaScript, MySQL
Frameworks: Flutter, Node.js, Pandas, NumPy, Matplotlib, Xlwings, Twitter API, Bootstrap
Learning: React JS, TensorFlow, C, Bash