PARAM SHAH

paramshah@g.ucla.edu | paramshah.net | linkedin.com/in/paramshah10 | (310) 500-5637

EDUCATION

University of California, Los Angeles
B.S. in Computer Science
GPA: 3.7 / 4.00
Class of 2022

AWARDS AND HONORS

Upsilon Pi Epsilon Member – CS Honor Society at UCLA
Engineering Dean's List
Facebook Puzzle Hunt 2019 – 2nd place
IdeaHacks 2020 – Best Education Hack Prize
Google Tech Challenge 2019 – 7th place overall

SKILLS

Languages: Python, C++, C, Linux, Git, Shell, HTML, CSS,
Frameworks: React, React Native, Flask, Chart.js
Data Science: TensorFlow, Pandas, NumPy, Matplotlib, Scikit-learn

COURSEWORK

Data Structures,
Computer Architecture,
Data Science Fundamentals,
Operating Systems,
Algorithms,
Machine Learning,
Software Construction,
Probability Theory,
Linear Algebra and Differential Equations

TOP PROJECTS

Undergraduate Student Researcher | eHealth Research Lab

- Analyze patient data collected from their smartwatch to be able to display it to patients and primary care providers.
- Analyze patterns and peak stress intervals in activities that lead to extremely high stress rates.
- Develop a patient dashboard that displays intuitive and insightful data visualizations that serve as performance metrics.
- Technologies used: React.js, Chart.js, Firebase, Node.js

Project Co-Lead | tour.AR
January 2020 – Present

- Lead a team of 7 software developers, designers, and 3D modelers to create a virtual tour guide mobile app for UCLA.
- Wrote Product Spec Sheets & Wireframes to provide direction and vision for team members. Use Agile methodologies to set code sprints.
- Help in the development with the help of technologies like AR kit, Core Location, and Google Firebase.
- Technologies used: Swift, Agile

Software Lead | Bruin Spacecraft Group – Project Rapid
April 2019 – March 2020

- Lead a team of 2 other software engineers to develop the computer system for a CubeSat.
- Developed an embedded systems software that includes task scheduling, multi-threaded applications, and memory management unit written in Rust.
- Developed a system to check anomalies and flight system failure.
- Technologies used: C/C++, Python, Bash, and Rust

Software Developer | BR3W
October 2019 – December 2019

- Backend involved communication through Wi-Fi/Bluetooth for data and command transfer and persisting data to a smart coffee machine.
- Frontend involved page navigation, state change, animations, and CSS.
- Technologies used: React Native (JavaScript), CSS

NYC Taxi Trip Duration Predictor

- Analysis to accurately predict the duration of taxi trips in NYC using data science tools like data selection and cleaning, EDA, feature engineering, and model selection.
- Used ML models like tree regression and neural nets to model the training data.
- Technologies used: TensorFlow, sklearn, pandas, matplotlib