
Rohan Bhushan

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EDUCATION

University of California, San Diego

Bachelor of Science - Computer Science - 3.96 GPA

Expected December 2021

EXPERIENCE

Amazon - Software Development Engineer Intern

June - August 2021

- Incoming software development engineer intern at Amazon

UCSD Computer Science and Engineering Department

CSE Tutor (Head Tutor, September 2020 - Till Date)

September 2019 - Till Date

- Manage a team of tutors to ensure all students receive the help they need, and act as a liaison between tutors and professors
- Programmed Gradescope autograding scripts for efficient analysis of student submissions
- Tutored students 1-1 in concepts of Java, Python, C, ARM assembly, systems programming, and object-oriented design in CSE 8A, CSE 11, and CSE 30.

UCSD School of Medicine - Business Systems Analyst

August 2020 - till date

- Significantly improved data migration efficiency through the personal development of an automation script using AppleScript.
- Developed a Tableau application and corresponding Web Data Connector in JavaScript to allow for easy analysis of medical student graduation requirements

Lyftly - Software Engineering Intern

July 2020 - October 2020

- Programmed multiple new features and REST API in ReactJS, NodeJS and MongoDB, including mental health questionnaires and an inspirational message sharing platform.
- Utilized Google Colab (Python) to analyze user experience data using Pandas/Matplotlib to better aid user mental health, and identify and improve different screens of the application.

UCSD Health Research - Data Analysis Assistant

July - September 2020

- Developed a JavaScript based program using Google Maps API to scrape and analyze over 15,000 geolocation data points for a research project.

TECHNICAL SKILLS

Languages: Java, JavaScript (ReactJS, React Native, NodeJS), C/C++, ARM, Python, VBA, Unix, Powershell, AppleScript

Tools: Git, Firebase, MongoDB, AWS, Vim, Postman, JUnit, Powershell ISE, Android Studio, Xcode, Google Colab

Additional Skills: REST API, Python/Powershell/Unix Scripting, Pandas/Matplotlib, Google Apps Scripts, Selenium Webdriver

PERSONAL PROJECTS

Mask Bot - Developed an automated Twitter bot which uses a machine learning trained face mask detection model to identify images of multiple people without masks, and remind them to wear a mask.

Spotify Mad Libs - Constructed a React/Node Web Application using the Spotify API, which displays amusing messages based on the user's top artists and tracks, and allows for user input of verbs, adjectives, and nouns.

Social University Platform - Developed an iOS app using React Native, NodeJS, and Firebase to connect students at UCSD with clubs and organizations in a team of 10, applying an Agile workflow.

Football Analytics and Odds Web Scraper - Using Javascript, created an automated program to scrape statistics from various websites, the odds for each game, and update scores hourly.

VOLUNTEERING & EXTRACURRICULARS

Community Hospital of the Monterey Peninsula - 300+ Volunteering Hours

Monterey Bay Aquarium - 300+ Volunteering Hours

Baking Club @ UCSD - Vice President and Co-Founder

AWARDS & ACHIEVEMENTS

Intel International Science Fair Finalist: 2015, 2017

California Association of Professional Scientists Outstanding Young Scientist: First Prize in 2016, Runner-Up in 2017