

Rostam Vakhshoori

☎ (669) 333-6122 | ✉ vakhshoori101@gmail.com | 🏠 rostamvakhshoori.com | 🌐 Vakhshoori101 | in rostamvakhshoori

Education

University of California, Irvine

Irvine, CA

BACHELOR OF SCIENCE IN COMPUTER SCIENCE, GPA: 3.83/4.0

June 2022

- **Relevant Courses:** Machine Learning; Data Structures and Algorithms; Computer Organization; Linear Algebra; Principle in System Design; Introduction to Software Engineering; Probability and Statistics for Computer Science

Skills

Languages Python, C++, C, Swift, HTML, CSS, R, Visual Basic

Frameworks + Tools Git, Django, Pytorch, Keras, Numpy, mySQL, MongoDB, OpenCV, Flask, Agile, Linux

Technologies Machine Learning, Deep Learning, Web/iOS Development, SQL

Experience

Libra

San Jose, CA

SOFTWARE DEVELOPER

May 2020 - PRESENT

- A Machine Learning API with over 8,000 current users and recognized by several AI industry leaders
- Part of the AI and data team optimizing dynamic model building and training techniques for neural network models
- Working on improving upon the structured data preprocessor to advance image processing techniques

Projects

League of Legends (multiplayer online battle arena) Predictor

- Designed a bot to calculate live probability of winning a game at the first ten and fifteen minutes into a thirty-minute match
- Trained a machine learning model from 15,000 elite matches with high performance to give statistical feedback based on key features
- Built a web server using HTTP protocols that stores the model and responds to the bot's POST request containing match data
- Bot detects when the user starts a match and uses the Riot API to fetch live data of every player on both teams

Covid-19 Notification System

- An automated text messaging system that gives daily updates about the number of new Covid-19 cases in the user's local area
- Developing a webpage based on Django's framework on Heroku's server to process users' phone number and location
- Storing user information in a database managed with SQLite with text messages being sent through Twilio's API

Adding Courses to Google Calendar

- An API service utilizing Selenium technology to securely connect with UC Irvine's course system to scrape user's study list
- Included BeautifulSoup library to parse data for Google Calendar API request to add courses with location and time into the user's calendar
- Service creates automated browser including functionalities of dropping / adding classes from course system

UCI Chatrooms

- Worked in an agile scrum team to build an iOS mobile app for students to create and join chatrooms for their courses
- Maintained a mongo database using Parse Server to store user's information and authenticate username and password
- Scraped data directly from UCI schedule of courses for initial creation of chatrooms utilizing Alamofire and Swiftsoup libraries

Map Direction Calculator

- Created a program to find the shortest distance or fastest route from one location on a map to another
- Operated on an underlying graph data structure to store streets and traffic information with quick retrieval of information
- Incorporated Dijkstra's algorithm and a priority queue to calculate the shortest path along a network of roads

Programs

Virtual Software Engineering Internship Experience @ JPMorgan Chase

- Developed a chart with relevant financial data to better identify under/over-valued stocks using Python, Typescript and Perspective

CodePath iOS Development @ UC Irvine

- Ten weeks of intense, project-focused iOS development in a professional environment using swift and Xcode