Rostam Vakhshoori

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EDUCATION

University of California, Irvine   Expected Graduation: June 2022

B.S. Major: Computer Science — Minor: Statistics, GPA: 3.85, Dean's List: 6

Relevant Coursework: Machine Learning; Data Structures and Algorithms; Principles in System Design; Linear Algebra; Principle in System Design; Software Engineering; Probability and Statistics; Operating Systems and Networks

SKILLS

- **Languages**: Python, C++, C, Java, Swift, SQL, R, HTML, CSS, Visual Basic
- **Frameworks + Tools**: Git, Django, mySQL, MongoDB, OpenCV, Numpy, Pytorch, Keras, Agile, Linux
- **Technologies**: Machine Learning, Deep Learning, Web/iOS Development, SQL

EXPERIENCE

Libra   **Open-Source Software**
Software Developer   May 2020 – Present

- A Machine Learning API with over 10,000 current users and recognized by several AI industry leaders
- Collaborated with the AI and data team optimizing dynamic model building and training techniques for neural network models
- Improved upon the structured data preprocessor to advance image processing techniques

Camp Galileo   **San Jose, CA**
Summer Intern   June 2019 – August 2019

- Supported camp operations to keep camp running smoothly and providing customer service to the parents
- Worked with camp director to develop professional skills and complete administrative tasks

PROJECTS

League of Legends (multiplayer online battle arena) Predictor - Python

- 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 on the game
- 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 Messaging System - Django/Python

- 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 - Python

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

UCI Chatrooms - Swift

- 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

PROFESSIONAL DEVELOPMENT

Artificial Intelligence at UC Irvine, Mentor   September 2020 – Present

- Researching and presenting lessons in workshops illustrating different techniques in AI

Virtual Software Engineering Experience, JPMorgan Chase   June 2020

- Developed a chart with financial data to better identity under/over-values stocks using Python, Typescript and Perspective

CodePath iOS Development, UC Irvine   March 2020 – June 2020

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