

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; Data Mining; Principles in System Design; Linear Algebra; Software Engineering; Probability and Statistics; Operating Systems and Networks

SKILLS

- **Languages:** Python, C++, C, JavaScript, Swift, R,
- **Frameworks + Tools:** Git, Django, React, SQL, Numpy, Pytorch, Keras, AWS
- **Technologies:** Machine Learning, Deep Learning, Web/iOS Development

EXPERIENCE

Amazon

Seattle, WA

Incoming Software Development Engineer Intern

Summer 2021

- Will be working on emerging problems related to Amazon's business needs

Admit Guru

Palo Alto, CA

Software Engineer Intern

November 2020 – Present

- Implementing analytics stack to collect data and display metrics to inform decisions made across the organization
- Partnering directly with the CTO to architect and deploy backend framework for AI platform and Web application

Commit the Change

Irvine, CA

Full-Stack Developer

October 2020 – Present

- An organization at UC Irvine that delivers high quality software for non-profit organizations
- Creating a platform to electronically capture volunteer and inventory data about their different programs for Waymakers
- Building page to allow volunteers to sign up for events with AWS to host PostgreSQL database and Express for CRUD API

Libra

Open-Source Software

Software Developer

May 2020 – November 2020

- 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

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 into a thirty-minute match
- Trained a machine learning model from 15,000 elite matches 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

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
- Developed a webpage using Django hosted on Heroku to process users' phone number and location

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 BeautifulSoup to parse data for Google Calendar API request to add courses with location and time to user's calendar

PROFESSIONAL DEVELOPMENT

Artificial Intelligence at UC Irvine, Mentor

September 2020 – Present

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

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