

Rostam Vakhshoori

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EDUCATION

University of California, Irvine

Expected Graduation: June 2022

B.S. Major: Computer Science — Minor: Statistics, GPA: 3.84, Dean's List: 8

Relevant Coursework: Machine Learning; Data Structures and Algorithms; Network Security; Operating Systems; Information Retrieval

SKILLS

- **Languages:** Python, Java, C++, JavaScript, SQL, HTML, CSS
- **Frameworks + Tools:** Git, React, Node, MySQL, PostgreSQL, MongoDB
- **Technologies:** Full Stack, Databases, Machine Learning

EXPERIENCE

Amazon

Seattle, WA

Software Development Engineer Intern – Java, DynamoDB, S3

June 2021 – September 2021

- Creating sandbox environment for clients to allow for rapid iteration and decreased download latency
- Optimizing download algorithm through multi-threading and limited throttling
- Establishing server logs and latency metrics/alarms to increase ease of maintenance

Commit the Change

Irvine, CA

Co-VP of Projects – React, Express, PostgreSQL

October 2020 – Present

- An organization at UC Irvine that delivers high quality software for non-profit organizations
- Generating solutions for NPOs' problems that are feasible for our organization to complete in a college year
- Developing a more efficient and smoother CI/CD pipeline through Kubernetes Cluster and GitHub Actions

Admit Guru

Palo Alto, CA

Software Engineer Intern – Flask, MySQL, AWS Lambda/Amplify

November 2020 – March 2021

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

Libra

Open-Source Software

Software Developer – Keras, Numpy, Pandas

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
- Improved upon the structured data preprocessor to advance image processing in CNN

PROJECTS

League of Legends (multiplayer online battle arena) Predictor

- 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

Covidy-19 Messaging System

- 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