

ARIAN ALAVI

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EDUCATION

[3.46 GPA] BS Applied Mathematics, University of California - Santa Barbara Expected 2022
(3.71 GPA) Computer Science: Data Structures and Algorithms, Discrete Structures, Structure and Interpretation of Computer Programs, Assembly Language, and Software

EXPERIENCE

Innova Accelerator - Irvine, CA

Lead Full Stack Developer

Aug. 2018 - Now

Currently the lead developer of our internal CRM/ERP webapp. It is used daily by most staff and subcontractors in order to keep track of scheduling, tasks, and other operational-critical activities.

Created utilities to make staff more efficient. An example: Creating a website template generator that resulted in a 6x increase in websites created per day per person.

Front-End: jQuery, Bootstrap

Back-End: Python-Django, SQL

Integration: Google API, REST Framework

Hosted: AWS(EC2, RDS) with Nginx

TuffHouse - Goleta, CA

Founder + Backend Developer

Sept. 2021 - Feb. 2022

- Startup with 4 other members focused on preventing property loss from the threat of wildfires. Main responsibilities; team management, public speaking, and product development.

Front-End: ReactJS, NextJS

Back-End: Python-Django, SQL

PROJECTS

BotCoin - A project involving big data (3+TB), using Reddit to predict prices of Ethereum

Technologies: Python, TensorFlow, Multiprocessing

SigNN Team leader for a group building real-time ASL alphabet translation on Android devices

Technologies: C++, MediaPipe, TensorFlowLite, REST API, Google Colab

The Lost Game of Ur - Boardgame with level editor and neural network opponent, sold on Steam

Technologies: C#, Unity, TensorFlow

LANGUAGES

[5 Years] Python - Asyncio, Django, Selenium, Electron, Multiprocessing, PyAutoGUI, REST API, Tkinter

[5 Years] C++ - Google MediaPipe, Googletest

[3 Years] JavaScript + HTML5 + CSS - JQuery, Bootstrap

Other - Apache2, AWS, Bash, C#, English, Git, Github, Nginx, **SQL**, TensorFlow, Ubuntu, Unity