ARIAN ALAVI

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EDUCATION

(3.57 GPA) <u>BS Applied Mathematics</u>, University of California - Santa Barbara   Expected 2022

 (3.71 GPA) <u>Computer Science:</u> Data Structures and Algorithms, Discrete Structures, Structure and Interpretation of Computer Programs, **Assembly Language**, and **Software Construction**.

EXPERIENCE

Innova Accelerator - Irvine, CA

Lead Full Stack Developer   Aug. 2018 - Now

- <u>eCore</u> (CRM/ERP Webapp) - eCore has been 4+ years in the making with me as its primary developer. It is used daily by most members of the company. Its most important function is contractor management, which entails scheduling and the collecting of site reports.

  Front-End: jQuerry   *Back-End:* Python-Django, SQL

  Integration: Google API, REST Framework   *Hosted:* AWS(EC2, RDS) with Nginx

TuffHouse - Goleta, CA

Founder   Sept. 2021 - Feb. 2022

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

PROJECTS

<u>SigNN</u> <u>Project manager for a group building real-time ASL alphabet translation for mobile</u>

  Back-End: C++, MediaPipe, TensorFlowLite   *Integration: Google API, Google Colab*

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

  Front-End/Back-End: C#, Unity, TensorFlow

<u>JustYeetIt</u> - <u>Pauseable and asynchronous file-transfer utility, like FTP but without the need to port</u>

  Front-End: JavaScript   *Back-End:* Python, Python-Asyncio, Electron

<u>Meet Me Up</u> - <u>A website for finding the best time to be scheduled, created during a hackathon</u>

  Front-End: JavaScript (jquery) + HTML + CSS   *Back-End:* Python(Django), SQL

LANGUAGES

[5 Years] Python - Asyncio, *Django*, Selenium, Electron, GoogleAPI, PyAutoGUI, Tkinter

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

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

Other - Apache2, AWS, Bash, Bazel, *C#*, Git+Github, Scheme, *SQL,* TensorFlow, Unity