Grant Walton

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Education

UNIVERSITY OF CALIFORNIA, BERKELEY 2016-2018

- Major – Electrical Engineering/Computer Science

ARIZONA STATE UNIVERSITY 2019-Present

- B.S. – Software Engineering(Expected 2022)

Relevant Skills

PROGRAMMING/COMPUTER

- Proficient: Python, Java, C#, Javascript, C, React, Django, Solidworks
- Intermediate: C++, Scheme, Autodesk 360, AutoCAD

RELEVANT COURSEWORK

- Data Structures, Algorithms, Discrete Math, Linear Algebra, Statistical Machine Learning, Operating Systems/Networks, Database Management, Web Based Applications, Embedded C

Extra-Curricular Activities

RESEARCH, Biomimetic Millisystems Laboratory University of California, Berkeley 2017

- I worked on the OpenRoach project where I collaborated with peers to develop a lightweight robotic cockroach with path-following capabilities.
- My job dealt with the mechanical aspect of the project, where I designed, fabricated and tested parts for the robot.
- I also worked with my team to document all our progress and designs and helped prepare and present a report detailing our work.

PERSONAL PROJECTS

- I built a chess engine that makes use of bitboards for move generation and board storage. The engine features an AI run off an alpha-beta pruning algorithm as well as a fully functional GUI.
- I built a trivia answering system designed to work with the live game show app HQ Trivia. For each question intercepted via proxy, the code scrapes and processes data from various search engines which is then fed into a machine learning algorithm to predict the most likely answer. This answer is then sent as a notification directly to the user's phone.

Work Experience

INTERN, Innoflight Inc, San Diego, CA 2020-Present

- I was the sole developer creating a website using React and Django on a mySQL database that catalogs all active semiconductor components to allow for multiple, user-friendly search options.
- I have helped develop robust testing automation software that has helped save hundreds of man-hours in testing products.
- I wrote code to implement user defined traffic selection for an embedded software project

FOUNDER, Small Business 2021-Present

- I started a small company to design and sell custom 3D printed adult toys online.
- As founder and CEO my role included pitching to investors to secure funding, handling company paperwork, designing products in solidworks, testing products with volunteers, building a website, launching ad campaigns, etc.
- Achieved profitability within several months of launch