Xavier Elon Hollingsworth

Software Engineer

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EDUCATION

Bachelor's of Science in Computer Science
Oregon State University

08/2017 – 06/2020 *GPA: 3.7*

Bachelor's of Science in Electrical Engineering
Arizona State University

05/2019 – Present *GPA: 3.8*

TECHNICAL SKILLS

Software Languages and Skills

Javascript, Java, C, C++, Python, HTML/CSS, Linux, MacOS,

Tools/Frameworks/APIs

AWS, Docker, Vagrant, git, Github, Xcode, VScode, Netlify, node.js, Express, React, MySQL, Heroku, CouchDB, Nest.js, Google Datastore, Google App Engine, MongoDB, Jenkins, Flask

WORK EXPERIENCE

Software Engineer Intern
Getaboard

01/2020 – 03/2020

Achievements/Tasks

- Routed the back end for a large web application similar to LinkedIn using Typescript, Nest JS, PostgreSQL and Node (internship terminated early due to Covid-19)

Software/Systems Engineer Intern
Open Learning Exchange

08/2019 – 01/2020
Non-profit organization

Achievements/Tasks

- Developed the blue tooth capabilities on Raspberry Pis. Programmed commands for the command line interface for the RPi
- Led a project for web scraping resources using a Python script that allowed automatic uploads to OLE's database
- Created VM images via Vagrant and Docker
- Managed and onboarded newer interns. Maintained and updated the company website.

Business Owner
Great Lakes Property Management

01/2016 – Present *Orlando, FL*

Achievements/Tasks

- Successfully built business from the ground up generating cash income while working from home and paying for my education
- Developed business, marketing, financial and people skills needed to thrive in the business world

PERSONAL PROJECTS

RateMyClasses.io MERN Stack Web Application
(03/2020 – Present)

- Led and managed a team of 4 engineers to create full-stack MERN app for university students to rate and review their university classes.
- Fully deployed and continue to maintain the front and back end with AWS using Route 53, load balancers, EC2s, VPC
- Created the routes for the back-end using Node.js, Express and MongoDB
- www.ratemyclasses.io
- https://github.com/XavierElon1/rate_my_classes

Youtube LeetCode/Algorithms Channel (JAVA)
(01/2020 – Present)

- Upload video solution explanations to LeetCode and HackerRank algorithms and data structures problems 4-5 times a week. All solutions are done in Java.. 1.1k+ subscribers in 5 months.
- https://www.youtube.com/channel/UCkzn_i33n79ljur943FlMqw

Xavier Elon's Daily Leetcode Slack Channel (02/2020 – Present)

- 1000+ members channel where I post daily LeetCode Problems for everyone to discuss and solve.

Rocket & Astronaut REST API (JS)

- Created a full RESTful API using Node.js for an application that manages astronauts on rockets
- Deployed a front end using Google App Engine where users can login and register. Used Auth0 and JWT to authorize and authenticate users
- https://github.com/XavierElon1/rockets_api_oauth

Networking FTP Client/Server (C/Python)

- A client-server program that implements FTP. Client can request a directory list or files from the server. Client was written in Python, Server was written in C.
- https://github.com/XavierElon1/chat-client-server

Small shell (C)

- An interactive linux shell using the C programming language via system calls. Implemented fork and exec calls. Managed parent and child processes. Built in the 3 commands cd, status, and exit and execvp'd the rest of the commands.
- https://github.com/XavierElon1/small-shell

Cube Adventure Game (C++)

- An interactive game, based off the movie Cube, implementing objects, polymorphism, pointers, inheritance, data structures and classes.
- https://github.com/XavierElon1/cube-the-movie

ORGANIZATIONS

Students for Exploration and Development of Space
(2019 – Present)

Electronics team - wrote Python code for the flight control system. Programmed the code for the BMP 280 barometric sensor that is connected to an RPi that gathers all the live data from the rocket launch, sends it to the radio module which will then, deliver it to the ground station for live data feed. Helped test the electronics on the field with YAGI antennas. Attended propulsion team meetings to learn mech engineering. (IREC competition cancelled due to COVID-19)

INTERESTS

Open source: Treehouses | Quantum Physics | Aersopace