Tyler Lawson

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Objective

Seeking a full time position, starting summer 2020.

Education

Michigan State University - East Lansing, MI
Sept 2016 - May 2020
B.S. in Computer Science
Minor in Entrepreneurship and Innovation
Boston College High School - Boston, MA
Sept 2012 - May 2016
Diploma

Experience

Software Development Intern Humana - Louisville, KY
May 2019 - Current
- Developed Python Flask API for a UI that will serve as project estimation management system for architects
- Worked with Azure pipelines and GCP app engine to facilitate continuous integration and deployment
- Currently working on new project with a Vuejs frontend and .NET Core API

Software Development Intern at 2Is inc. - Walpole, MA
May 2018 - August 2019
- Used Test Driven Development technique to develop an SAP Interface with Northrop Grumman
- Wrote back-end code using Common Lisp
- Made installers for the 2Is Analytic Platform using Inno Setup and Pascal
- Did QA on many projects by rewriting and creating new unit tests in Common Lisp
- Wrote Lisp and Microsoft SQL to setup a SQL server for data analytics

Front End Development Intern at Getfused - Boston, MA
May 2017 - Aug 2017
- Built sites for Wynn Casino and other small local businesses
- Wrapped sites using CSS, HTML, and JavaScript
- Styled pages to be fully responsive (i.e. desktop, tablet, mobile, and print version)
- Made small design decisions when styling something that is not designed in the comps

Projects

- I am team lead and full stack web developer on my capstone project which uses Machine Learning for image recognition and gps prediction of elephants
- I made a python script for re-naming and re-dating image files for family photos
- I used python to make a page screenshotter script that takes a URL and returns screenshots of all pages on the site using web scraping techniques
- I have made a Caesar Cypher, Password Cracker, and Baker's Game using Python

- I have made many websites on my own as a Web developer using static site generators and raw CSS/HTML
- I created programs such as the Snake game, Hangman, an AI chatbot, and an adaptation of MS Paint using Java

Technical Skills

- Proficient in Python, Java, Common Lisp, C++, Bash, CSS, and HTML
- Coursework in Algorithm Engineering, Database Systems, Software Design, Operating Systems, Data Structures and Algorithms, Computer Organization and architecture, Discrete Structures, and Intro to Programming I and II
- Currently taking capstone course and intro to machine learning