Tyler Lawson

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Professional Experience

Software Engineer II at Author by Humana - Boston, MA   May 2020 - Current

- I have been a core developer on the team responsible for creating [authorbyhumana.com] (https://authorbyhumana.com) and our member dashboard, my.authorbyhumana.com. Author is a new brand from Humana, designed to reinvent medicare advantage care. (React/Typescript)
- I am one of the two approvers on my team responsible for reviewing all merge requests.
- Developed the largest share of features on the team to ensure a successful launch on January 1st.
- I have iteratively enhanced the team's jest tests with utility functions to prevent pipeline timeouts and update fixes, as I have kept each of our node packages up to date since last summer.
- I am mentoring other developers on the team, including senior engineers, with our frontend technologies and CI/CD. This has included developing an automatic deployment flow through Gitlab (saves 30 minutes dev time per day) and Microsoft Teams notifications to alert the team when a scheduled Cypress end-to-end test fails.

Software Development Intern at Humana - Louisville, KY   May 2019 - May 2020

- Lead a team of interns in developing a CRUD app for Humana architects to collaborate on project estimations. This saved the architects an average of one hour per day and reduced the chance for error. It replaced their process of building estimations through email-chained excel spreadsheets.
- With my second team at Humana, I refactored and enhanced a Vue/.Net dashboard that serves as a real-time incident report tracker.

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. Worked overtime to complete this project at the end of the summer.
- Started the summer by learning Common lisp through refactoring legacy code and writing all the new unit tests for the company.
- Researched and demo'd new web frameworks for the web team to adopt (CL-Mustache).

Front End Development Intern at Getfused - Boston, MA   May 2017 - Aug 2017

- Made sites for Boston area businesses and projects, like the Wynn Casino road construction project.
- Learned the importance of caring for CSS and reusable components before anything else in web development.

Technical Skills

- **Frontend:** with React, Typescript/JS, Node, Webpack, Gulp, SCSS/CSS, and Hugo.
- **Backend:** Python, Java, Common Lisp, and C++.
- **Other:** Bash/Unix (and Fish Shell!) and CI/CD (Github Actions and Gitlab CI/CD)

Education

Michigan State University - East Lansing, MI   Sept 2016 - May 2020

B.S. in Computer Science & Minor in Entrepreneurship and Innovation

Work With Static Site Generators

- I have done most of my side projects over the past 4 years with static site generators.
- I have made 3 Hugo themes and 7 sites using Hugo. See this resume as a theme here!. You can also view this resume as a webpage here. You can see my portfolio, where I showcase most of the sites I have made here.
- I started with using Jekyll to make my friend's first blog.
- The next framework I tried was a lightweight framework from Mozilla called Nunjucks. I used this to make my mother's small business site.

Side Projects

- I made a python script for re-naming and re-dating image files for family photos. They are now all on Google Photos for my Mom, Grandma, and myself to view at any time!
- A friend of mine who is a patent lawyer needs to screenshot every single page of a website for legal reasons. After hearing that he did this manually, I wrote a python script for him to automate the process.
- I wrote a personal repository to store my favorite configurations/dotfiles here. My gitconfig is my pride and joy.
- I wrote a medium article/tutorial about my favorite tech stack for small static sites: click here to see the article

Senior Capstone Project

- Our team won the Urban Science Sigma Award for having the best Capstone experience.
- I was the team lead, coordinating with our sponsors in Chicago and Johannesburg, South Africa.
- As the lone developer on the team with web experience, my responsibilities included creating a Python Flask API and a Vue dashboard for our Elephant tracking and recognition system.
- Our application supported video image processing and GPS coordinate predictions so that the rangers in South Africa can track their elephants without obstructive or expensive equipment.
- See our team page here and our project video here.