

Tyler Lawson

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Professional Experience

Software Engineer II at Author by Humana - Boston, MA

May 2020 - Current

- Joined in May and helped launch two websites for the start of 2021 and our first insurance plan year. See our public-facing site at authorbyhumana.com.
- Our websites are built on React with Typescript accompanied by a shared components library. One site uses [Gatsby](#), the React static site generator. The other is using React with create-react-app.
- Our tests use Jest with React testing library. We test every component and page that we develop and run them automatically with each new MR.
- Help build and maintain a .NET/C# API for consuming member insurance information.

Software Development Intern at Humana - Louisville, KY

May 2019 - May 2020

- Developed Python Flask API for a project management dashboard.
- Worked with Azure pipelines and GCP app engine for my team's CI/CD.
- Worked on a second project, which was a dashboard that used Vue and .NET Core.

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.
- Refactored legacy code and created new unit tests in Common Lisp.
- Researched and demo'd new web frameworks for the web team to adopt ([CL-Mustache](#)).
- Made installers using Inno Setup and Pascal.

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.
- Took mockups from Photoshop files and translated the designs into responsive CSS/HTML.

Technical Skills

- **Frontend:** with React, Typescript/JS, Node, Webpack, Gulp, SCSS/CSS, and Hugo/Static Site Generators.
- **Backend:** Python, Java, Common Lisp, and C++.
- **Other:** Bash/Unix ([and Fish Shell!](#)) and CI/CD (Github Actions and Gitlab CI/CD)
- **Coursework:** Algorithm Engineering, Database Systems, Software Design, Operating Systems, Mobile App Development, Data Structures and Algorithms, and Discrete Structures

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](#).