Tyler Lawson

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Technical Skills

- **Frontend:** React, Typescript, Javascript, Webpack, Gulp, SCSS/CSS, and Hugo.
- **Backend:** Node, Express, Python, SQL, NoSQL, Java, Common Lisp, and C++.
- **Other:** Git, Bash/Unix, Jira, Agile, Scrum, and CI/CD

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 and our member dashboard, my.authorbyhumana.com, built with Typescript and React.
- Author is a new brand from Humana, designed to reinvent medicare advantage.
- 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.
- 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.
- Mentoring other developers on the team, with our frontend technologies and CI/CD.
- Automated environment and production deployments in Gitlab, which has saved 30 minutes of developer time per day.
- Integrated our projects on Gitlab with Jira, Microsoft Teams, and Artifactory.

Software Developer at Humana - Louisville, KY   May 2019 - May 2020

- As team lead on my intern team, I helped develop a CRUD app for Humana architects to collaborate on project estimations.
- This saved the architects one hour per day and reduced the chance for error when estimating.
- Our project 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 Developer at 2Is inc. - Walpole, MA   May 2018 - Aug 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 my summer internship by learning Common lisp through refactoring legacy code and developing all new unit tests for the company.
- Researched and demo'd new web frameworks for the web team to adopt (CL-Mustache).

Front End Developer 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.
- As an intern, I was working in the same capacity as every other frontend developer at Getfused after my first month of getting up to speed.

Education

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

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

Eleface - Elephant Preservation Application

- Led a team of developers to develop an application to help protect and save elephants in South Africa from poachers. Read more from Evolutio here.
- Won the Urban Science Sigma Award for having the best Capstone experience.
- 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.

Open Source Work

- Fixed an accessibility bug for Material UI to help their Autocomplete component meet WCAG standards.
- I have made 3 Hugo themes and 7 sites using Hugo - the world's fastest framework for building websites.
- I used Nunjucks, a rich and powerful templating language for Javascript, to build 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!
- My friend needed a way to automatically screenshot all pages of a website, so I built this python script for him to automate the process.
- I wrote a personal repository to store my favorite configurations/dotfiles here.
- I wrote a medium article/tutorial about my favorite tech stack for small static sites: click here to see the article

Hobbies

- I have a 10 month old portuguese water dog named Gus, so he and I have fun walking while I am taking a break from work. You can see a picture of him here (pro tip: there is a different picture shown as the background for the mobile sized breakpoint).
- Growing up, I was unable to ever experience fresh bakery goods due to the potential cross contamination with nuts. After trying fresh baked bread from a friend's dutch oven in the winter of 2019, bread baking and pizza making has become a new hobby and passion for me.
- I have skied since I was 3 years old. It's nice when the east coast weather graces us with snow on top of the perpetual ice.