# SAM MESSINA

Denver, CO

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## EDUCATION

**B.S. Computer Science** | Southern Illinois University · Jan. 2014 - May 2018

## WORK EXPERIENCE

### JavaScript Developer | Bitovi · Feb. 2020 - Present

- Developed spreadsheet application using **RxJS** and **React**, supporting reference cells and formulas
- Implemented cross-project **micro frontend** solution in **React** to transition from a legacy app to a new architecture while still adding new features, fixing old bugs, and addressing tech debt
- Deployed backend services in **Node** and **Koa** to integrate with **React** apps as well as third party services
- Managed a "squad" of four developers, focused on a single client application

### Front End Developer | TopstepTrader · June 2018 - Feb. 2020

- Architected **micro frontend** solution to migrate from an **Angular 2** monolith into a leaner, **React** solution
- Led front end engineering team across a tech stacks including **Angular 2**, **React**, **Python Django** templates, **Hubspot HubL**, custom **Wordpress** themes, and native **HTML/CSS/JavaScript**
- Designed, developed, and implemented a reusable component library, using **Webpack** to compile modular **ES6+ JavaScript** and **SCSS** into static, cross-browser-ready **JavaScript** and **CSS**
- Improved first paint time 300% through a site migration from **Wordpress** to a faster **Node** and **Gulp** solution
- Led front end developer hiring by creating technical tests and interview processes to verify candidates' skills

### Web Developer Intern | MacUpdate · June 2016 - Sept. 2017

- Designed and implemented a front end build process using **Grunt** and **Node**, which fully automated caching, bundling, and minification of front end assets, and reduced average page size by 15%, or ~250KB per page
- Organized an **SEO** audit, resulting in an organic search increase of 20%, or 30k+ sessions weekly
- Introduced responsive design using **Bootstrap**, **jQuery/JavaScript, CSS**, and **HTML**

### Student Developer | Southern Illinois University · Jan. 2014 - May 2018

- Authored web pages, forms, and apps for university departments using **HTML**, **CSS**, **JavaScript**, and **PHP**
- Organized and led classes detailing basic **HTML**, content creation, and best **UI/UX** practices for >200 users

## PERSONAL PROJECTS

### Toadstools  toadstools.smessina.com · 2020

Toadstools provides tools for streamers to add timers, song info, etc. to their streams using **React** and **Deno**.

### WAILto  wailto.smessina.com · 2019

WAILto is a music history analysis app. Using **Node**, **React Hooks**, and **PostgreSQL**, WAILto provides modular, extensible data analysis and **data visualizations** on Last.fm data.

### personaList  personalist.smessina.com · 2018

PersonaList allows users to add comments to Spotify playlists, allowing for collaborative playlist curation. PersonaList uses the **Spotify API**, a **Node server**, and **React Hooks**.

## Languages

JavaScript, HTML, CSS, SCSS, Python, PHP, MySQL, PostgreSQL, Java, Bash C

## Libraries

React, Angular, Node, RxJS, Redux, Django, Wordpress, SCSS

## Tools

Git, Webpack, Gulp, Grunt, nx Linux Vim, Hubspot, Google Analytics & Search Console,