James B. Collins

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www.jamesbcollins.dev

Work Experience   **Software Engineer**   **Spring 2018–Present**
Fireside

Engineer for a product suite servicing the technology needs of congressional offices.

- Migrated several .NET applications to Angular 2+
- Created an email messaging system which made the company's marquee product considerably more competitive in it's space
- Implemented and documented a significant portion of a major product redesign
- Developed a tool to geocode and selectively correspond with constituents based on their location

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Software Developer   **Summer 2014–Spring 2018**
Center for Advanced Transportation Technologies Lab

Primary developer for websites and services used by many state Departments of Transportation to monitor road networks.

- Supervised and trained small teams of college students
- Converted many legacy Flash applications to modern React apps
- Created a custom tailored canvas-based rendering solution that greatly improved the scalability and performance of several map based tools
- Developed and maintained components and systems for existing products
- Built new websites from the ground up through all stages including design, development, deployment and support

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Other Experience   **Independent Development**   **Summer 2018–Present**
More info can be found on my website: www.jamesbcollins.dev

Built and deployed several websites and packages for personal use and for fun.

- Sole author of *dcmetromonitor.com*, a website built using React and Node that allows users to monitor many aspects of the DC Metro System
- Built an opinionated React starter kit which serves as the base for many of my other projects including *us-weather-monitor.herokuapp.com* and *jamesbcollins.dev*
- Published several npm packages with thousands of installations including *postcss-twist-url-assets* and *react-leaflet-extendable*

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Other Experience (Continued)

Technology Chair   **Summer 2014–Spring 2015**
Terp Thon

Executive board member for the largest student–run philanthropy in Maryland.

- Served as a volunteer on the Terp Thon executive board, helping lead to the best fund raising year in its history
- Led a small team of developers to modernize much of the organization's online infrastructure, including the website, registration tools, and databases
- Responsible for all website, repository and database administration

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Education

University of Maryland, College Park, MD
B.S., Computer Science   May, 2016