James B. Collins

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

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

- Upgraded several .NET applications to use a modern Angular front-end
- Architected a custom messaging service that connects congressional staffers with constituents and agencies
- Reworked the layout and styling of Fireside's marquee web platform as part of a major user interface redesign
- Developed mapping tools to filter and selectively correspond with constituents based on their geographic location
- Quickly responded to time sensitive client feature requests and urgent bug fixes

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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**

Built several open source 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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Education   University of Maryland, College Park, MD
B.S., Computer Science   May, 2016