

James Collins

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WORK EXPERIENCE

Caribou: Aug. 2022 – Present

Senior Software Engineer: Remote

Caribou is a fintech startup focused on refinancing auto loans and providing car insurance (caribou.com)

- Designed and built internal APIs to integrate Caribou's refinancing platform with third party lenders including Credit Karma and Uber
- Responsible for overseeing and supporting junior engineers
- Developed CI/CD workflows to facilitate reliable and consistent production deployments

ZeroFOX: Jun. 2021 – Aug. 2022

Software Engineer: Remote

ZeroFOX provides a suite of threat intelligence tools to protect businesses and individuals by detecting and monitoring malicious online entities and activities (zerofox.com)

- Developed a high throughput phishing detection tool to identify suspicious urls and alert customers when their brands are impersonated online
- Collaborated on building a custom headless browser implementation to crawl and extract text and image data from websites for threat analysis
- Created a training program and wrote technical documentation for onboarding new hires quickly

Fireside: Apr. 2018 – Jun. 2022

Software Engineer: Washington, DC

Fireside administers a custom tailored CRM product for the U.S. House of Representatives (fireside21.com)

- Architected a custom messaging service to connect congressional staffers with constituents and agencies
- Developed mapping tools to selectively correspond with constituents based on their geographic location
- Upgraded several .NET applications to use a modern Angular front-end

Center for Advanced Transportation Technology (CATT Lab): Jun. 2014 – Apr. 2018

Software Engineer: Washington, DC

The CATT Lab offers road monitoring solutions to many state Departments of Transportation (cattlab.umd.edu)

- Supervised and trained small teams of college students
- Converted 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

EDUCATION

University of Maryland, College Park

B.S., Computer Science: May 2016

PERSONAL PROJECTS

- dcmetromonitor.com: A live map of the DC Metro system with service alerts and train arrival times
- destinyloadoutbuilder.com: A tool to build and optimize gear loadouts for the video game Destiny 2
- [us-weather-monitor](https://us-weather-monitor.com): A live, looping precipitation radar with embedded weather forecast information