

Ambitious fullstack developer with 1+ years of broad expertise in React and Node.js with willingness to master SEO, GraphQL and testing. Front-end expert.

## Projects

**Bent Shaft Maps** *is a platform for mapping whitewater rivers.*

[React/Node.js/MongoDB/JWT/SASS/Heroku](#) | [Try it](#) | [See Code](#)

- Developed a web app that allows creation and sharing of interactive kayaking maps which are being used as a resource by the paddling community.
- Designed noSQL database structure and data schemas for the storage of user generated map data with MongoDB and Mongoose ODM.
- Integrated a REST API to allow interaction between database and front-end.

**River Level Gauge** *IoT device for tracking water level on remote whitewater rivers.*

[C++/JavaScript/Microcontroller](#) | [See Code](#)

- Created an IoT device that remotely monitors volumetric river flow at an 80% reduced cost compared to standard industry monitoring systems.
- Published documentation that allows the project to be recreated using inexpensive components for a local river monitoring organization.

**ExoTask** *is a front-end task organizing interface.*

[React/SASS/Netlify](#) | [Try it](#) | [See Code](#)

- Designed with mobile-first principles to accommodate for any device type using SASS and Bootstrap.
- Used logical state management based on React principles and best practices.

## Work Experience

**Full Stack Web Developer** — Eulogato | [www.eulogato.com](http://www.eulogato.com)

[Ottawa, Ontario](#) | [June 2020-Present](#)

- Full Stack development of an assisted eulogy writing tool resulting in 150 eulogies created within two weeks of deployment.
- Collaborating with creative writers to increase automated content variety causing users to complete the full workflow at 2.5x the previous rate.
- Improving product design of the landing page and interfaces reducing the bounce rate by 30%.

**Environmental Response Specialist**—Canadian Coast Guard

[Mount Pearl, Newfoundland](#) | [September 2019-January 2020](#)

- Created spill prediction models using ArcGIS from historic spill data resulting in mobilization of trucks, boats and response equipment to high risk areas.

**Clubs and Societies Commissioner**—Carleton University Students Association

[Ottawa, Ontario](#) | [September 2017-May 2019](#)

- Coordinated events, seminars and trainings for Carleton University's Clubs and Societies program based on feedback from student leaders.

**AutoCAD Draftsperson**—ProSlide Technologies

[Ottawa, Ontario](#) | [May 2011-April 2014](#)

- Created drawings, plans and proposals with CAD software with the water slide design team, directly contributing to over \$2,000,000 in water ride sales.
- Selected colors schemes for 13 slides that were finalized and constructed.

## Technical Skills

### Languages

HTML, CSS3, JavaScript, C++

### Front End

React, JSON, JSX, SASS, Bootstrap

### Back End

Node.js, Express, RESTful API, JWT Authentication

### Database/Testing

NoSQL, MongoDB, Mongoose ODM, Jest, React Testing Library

### Software Development Life Cycle

Asana, Jira, Scrum, Trello, Waterfall

### Cloud

Heroku, Netlify

### Tools

Adobe Suite, Figma, Postman, Git, ArcGIS, QGIS, AutoCAD

## Education

Bachelor of Environmental Science

Carleton University, Ottawa, Ontario

**Graduated:** Spring 2019

## Leadership

### Outdoors Club of Carleton University (President)

Organized, lead and supervised a variety of outdoor trips for university students including canoeing, kayaking whitewater rafting, hiking and rock climbing.