# JEFFREY THORSLUND
## Software Developer

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I love producing captive designs and implementing intuitive interfaces in my projects. I am a confident team member that finds razor sharp focus in a collaborative and dynamic work environment.

## Projects

**Bent Shaft Maps** *is a platform for mapping whitewater rivers.*
React/Node.js/SASS/Heroku | **Try it** | **See Code**
- Created a web framework for laypeople to intuitively create and share techniques and routes for navigating a whitewater river.
- Makes requests to server for data retrieval and data modification.
- Incorporated scalable architecture to accommodate for increase in database size.
- Hosted on a secure domain and used as a resource by the whitewater community.

**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.
- Logical state management based on React principles.

**River Level Gauge** *built for tracking water level on remote whitewater rivers.*
C++/JavaScript/Microcontroller | **See Code**
- Programmed and built a device that remotely monitors volumetric river flow.
- Published documentation that allows the project to be recreated using inexpensive components.

## Work Experience

**Environmental Response Specialist**—Canadian Coast Guard
Mount Pearl, Newfoundland | September 2019-January 2020
- Responded to marine based oil spills using appropriate methods, techniques and safety standards.
- Created spill prediction models using ArcGIS from historic spill data in the Maritime and Atlantic regions.

**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.
- Continuously implemented programs, services and improvements based on feedback from student leaders.

**Tree Planter—**Timberwolf Planting, Folklore Contracting, Coast Range Contracting
Canada and Australia | April 2014-August 2017

**AutoCAD Draftsperson**—ProSlide Technologies
Ottawa, Ontario | May 2011-April 2014
- Used computer assisted design software to create 3D drawings, plans and proposals.
- Designed multiple slides that were accepted by clients and constructed.

## Technical Skills

**Languages**
HTML, CSS, JavaScript

**Frameworks/Libraries**
React, Node.js, Express, REST APIs, JWT Authentication, SASS, Bootstrap

**Database**
MongoDB, Mongoose ODM

**Tools**
Adobe Suite, Figma, Visual Studio Code, Git, ArcGIS, QGIS, AutoCad

## Education

Bachelor of Environmental Science
Carleton University, Ottawa, Ontario
**Graduated:** Spring 2019

## Leadership

**Outdoors Club of Carleton University (President)**
Lead a variety of outdoor trips for university students in Ontario including canoeing, kayaking whitewater rafting, hiking and rock climbing.

## Hobbies

I enjoy anything and everything that gets me outdoors, notably bird watching and whitewater kayaking!