JEFFREY THORSLUND
Software Developer

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Creative developer passionate about finding alternate ways to solve problems. 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/MongoDB/JWT/SASS/Heroku | **Try it** | **See Code**
- Created a web framework for paddlers and kayakers to intuitively create and share techniques and routes for navigating whitewater rivers.
- Utilized JWT authentication for secure and persistent user log in.
- REST API allows user interaction with noSQL database.
- Hosted on a secure domain and follows Open Web Application Security Project (OWASP) design principles.

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!