

Work Experience

Full-Stack Engineer	Beaverlabs Software Inc.	June 2021–Present
<ul style="list-style-type: none">Developed analytics dashboards for vessel performance, emissions monitoring, and regulatory compliance using React, Typescript, and Tailwind CSS.Developed back-end functionality in Elixir/Phoenix for telemetry ingestion, metric computation, vessel tracking, and data APIs.Implemented ISO 19848 telemetry standards on custom hardware aboard marine vessels, improving edge data capture and replacing ad-hoc legacy schemas.Integrated with customer data and public APIs including NOAA and CSH hydrography APIs.Used Python for exploratory data analysis to drive architectural decisions and feature planning.Mentored junior developers through onboarding, pair programming, troubleshooting, and code review to increase team effectiveness and maintain code quality.		

Education

Computer Science and Psychology	University of Toronto	June 2021
<ul style="list-style-type: none">Completed an Agile software development project in Python/Django, delivering a production-grade web application for a non-profit organization as part of a team.Designed and implemented an extents-based file system in C.Built a functioning implementation of the game <i>Mastermind</i> using digital logic gates.		

Volunteering

Youth Volunteer	Red Deer Regional Hospital Centre	2010–2014
<ul style="list-style-type: none">Supported nursing staff in a fast-paced team environment, assisting with organization, cleaning, and patient care.Contributed to patient comfort by engaging in empathetic communication and offering reassurance.		

Technologies and Languages

- Technologies:** Elixir/Phoenix, React, JavaScript/Typescript, HTML/CSS/Web, Svelte, Tailwind CSS, Elasticsearch, Postgres/SQL, Python, Linux/Bash.
- Skills:** Full-Stack Web Development, API Design and Integration, Unit Testing, End-To-End Testing, Data Processing (Geospatial and Time Series Data), Data Visualization, CI/CD, Version Control (Git), Performance Optimization (Front-End and Back-End).

Interests

- Creative Writing, Nonfiction Writing, Reading Fiction & Nonfiction, Coding, AI, VR, Personal Development, Psychology, Linguistics.