Mitch Roberts
Computer Engineering Student

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Relevant Experience

Co-Founder / Full Stack Web Developer <div align="right">rightrenter.ca</div>
February 2025 – Current

- Built a production-grade rental management platform from scratch using Next.js, React, TypeScript, Tailwind CSS, and Firebase-backed services.
- Developed core features including real-time listing discovery, geolocation-based search, multi-user flows, and dynamic UI components.
- Designed scalable backend services, secure authentication flows, and efficient Firestore queries optimized for mobile performance.
- Operated in a startup-style environment, rapidly delivering new features, fixing bugs, conducting user testing, and deploying updates continuously.

Software Developer Student <div align="right">*myKeen, St. John's NL*</div>
September 2025 – December 2025

- Built and shipped production financial analytics tools using TypeScript, React, and AWS (Lambda, API Gateway, S3).
- Developed an AI-powered reporting pipeline with real-time streaming responses, automated analysis, and PDF generation.
- Implemented secure presigned upload flows, multi-company context handling, and caching layers for robust performance.
- Collaborated in an Agile team, delivering features quickly, debugging production issues, and improving developer tooling.

Software / Hardware Developer — Satellite Communications <div align="right">*C-CORE, St. John's NL*</div>
May 2024 – August 2024, January 2025 - April 2025

- Developed Python and C++ automation tooling, test scripts, and internal utilities to accelerate debugging, validation, and simulation workflows.
- Contributed to a Linux-based ground station system, improving telemetry processing, testing automation, and real-time data workflows.
- Designed embedded software components and communication utilities used across multiple subsystem integrations.

Relevant Technical Projects

TripTailor <div align="right">github.com/TripTailor</div>
Backend Developer (Go)

- Built backend features in Go including personalized homepage generation, itinerary search, and tag-based filtering.
- Integrated REST APIs and optimized query logic for fast user-facing responses.

MUNStar-1 Satellite Team <div align="right">munstar-1.com</div>
Communications Subsystem Team Lead (2022–Present)

- Led development of internal automation tools, scripts, and validation utilities used across the engineering team.
- Collaborated with multi-disciplinary teams, coordinating releases, testing cycles, and continuous improvement efforts.

Education

Bachelor of Engineering (Computer Engineering) <div align="right">*Graduating April 2026*</div>
Memorial University of Newfoundland – St. John's, NL

Skills

Frontend:	React, Next.js, React Native (exposure), Tailwind, TypeScript
Backend:	Node.js, Go, Python, REST APIs, serverless architecture
Cloud/Infra:	AWS (Lambda, API Gateway, S3), Firebase, Docker, CI/CD
Data/Tools:	Postgres, MongoDB, DynamoDB (exposure), Git, Linux
AI/Automation:	OpenAI API, Python scripting, automation pipelines, debug tooling
Soft Skills:	Rapid learning, startup execution, problem-solving, collaboration, Leadership

Interests

Full Stack Development | Startup Engineering | Automation | AI/ML Integrations | Mobile App Development