

## Education

### York University, Computer Science

Sep 2021 - Aug 2025

- Co-founder - [Arise Student Club](#)
- BEST(Bergeron Entrepreneurs in Science and Technology) Program Attendee

### PwC Canada – Jumpstart Your Career Program

Oct 2024 - Apr 2025

- Completed the [AWS Cloud Practitioner](#) certification and am pursuing the [AWS Solutions Architect](#) certification.
- Gained exposure to cloud computing, DevOps, technology consulting through mentorship and employer-led training.

## Skills

**Languages:** TypeScript, JavaScript, Java, Python, C, Go, Shell, SQL, HTML, CSS,**Frameworks & Libraries:** React, Node.js, Svelte, Tailwind CSS, NumPy, Pandas, Spring**Tools & Platforms:** AWS, Azure, Docker, Terraform, Prometheus, Grafana, Vercel, CI/CD Pipelines, GitHub Actions, IaC, Edge Functions**Methodologies & Concepts:** Site Reliability Engineering (SRE), Cloud Infrastructure, Compliance, Observability, REST APIs, Database Design, Linux, Agile, Multi-tenant Architecture, Unit Testing, Machine Learning

## Experience

### Founder & Software Engineer, Fisor Analytics, Toronto, ON

Apr 2025 - Present

- Building [Fisor Analytics](#), a multi-tenant analytics platform delivering AI-driven business insights from public and user data.
- Implemented observability using **Prometheus** and **Grafana** to detect issues and improve system response.
- Integrated **Apache Iceberg** and **Apache Spark** into data workflows to support scalable analytics pipelines and enable efficient data processing across tenant environments.
- Wrote **Terraform** modules to provision and manage cloud infrastructure on Azure.
- Built and optimized **Docker-based microservices**, reducing container startup time and improving resource efficiency, contributing to **estimated cloud cost savings of over 10%** during development cycles.
- Selected for **Microsoft for Startups**, **Cloudflare Startup Program**, and **Lassonde's BEST Startup Program**, receiving cloud credits, technical mentorship, and go-to-market support.

### Research Assistant, York University, Toronto, ON

Mar 2024 – Mar 2025

- Built an accessibility-focused app using **Next.js**, implementing inclusive features from research and user stories.
- Translated **Figma designs** into reusable **React components** meeting accessibility criteria.
- Built a tool with **TypeScript** integrating the **Reddit API** to deliver customized resources for students with disabilities.

### Software Developer Intern, Zyfera, Toronto, ON

Jan 2024 – Aug 2024

- Built an AI-powered financial calculator, using **Svelte**, **TypeScript**, and **PostgreSQL**, from concept to deployment.
- Contributed to product design by researching financial tools and shaping functionality alongside the development.
- Developed **TypeScript** utility functions optimize **OpenAI API** prompts, reducing call expenses by 10–30%.
- Built **CI/CD** pipelines with **GitHub Actions**, automating deployments, enabling development and production environments.
- Monitored application performance and optimized backend performance by integrating **Edge functions** with **TypeScript** and **PostgreSQL**, significantly reducing processing times for complex financial calculations.

### Computing Support Assistant, York University, Toronto, ON

May 2023 – Present

- Communicated with clients to diagnose and resolve technical issues, providing hands-on technical support for software, hardware, network, and equipment deployment.

## Projects

### Moneyball-Scout-ML – NumPy, Pandas, Jupyter, Scikit-learn

[\(Github\)](#)

- Used **NumPy**, **Pandas**, **Scikit-learn**, and **Jupyter Notebooks** to identify undervalued soccer players through performance metrics analysis and ML modeling.

### ckm – Go, Prometheus

[\(Github\)](#)

- Built a modular operating system simulator in **Go** that supports pluggable schedulers, memory management, VM orchestration with **QEMU**, and real-time observability via **Prometheus** metrics and **Grafana** dashboards.

### backenderer – AWS, Docker, Terraform, GitHub Actions

[\(Github\)](#)

- In Progress - a personal DevOps platform to deploy containerized backends via **GitHub Actions** to a single AWS EC2 instance using **Docker**, **Nginx**, and **Terraform**.