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EDUCATION

McMaster University

Sept 2021 — Apr 2025

Bachelor of Computer Science | GPA: 4.0

- Relevant courses on Data Structure and Algorithms, Software Development Principles, Formal logic and Discrete Math
- Provost Honour Roll and Dean's honour roll for achieving a GPA of 4

SKILLS

Languages	Python, C++/C, Bash, Java, Haskell, Rust, JavaScript, HTML, CSS
Frameworks	React, Next.js, Tailwind, Django
Tools	Linux, Git, Cloud Services (GCP, AWS), Relational Databases (SQL, PostgreSQL)
Design	Prototype design with Figma, Photoshop

WORK EXPERIENCE

Machine Learning Intern

May 2023 — Present

Bell Canada | Python, VertexAI(GCP), LLM

Toronto, ON

- Analyzed and benchmarked **10+** opensource and proprietary LLM models to find the best fit for the internal use cases
- Developed an internal tool used to train and optimize the workflow of **5000+** sales agents
- Actively exploring applications of **generative AI** applicable to telecom industry to bring business value

Teaching Assistant

June 2022 — May 2023

McMaster University | Python, Bash, PostgreSQL, Discord API

Hamilton, ON

- Optimized grading process for **1000+** course materials (labs, assignments, exams) by developing **Python and Bash** scripts
- Deployed a **PostgreSQL** database and **discord bot** to authenticate **100+** students
- Lead several C programming tutorial sessions for **50+** students

EXTRACURRICULAR EXPERIENCE

Technical Executive

Jul 2022 — Present

DeltaHacks | Next.js, TRPC, Prisma, Netlify, Tailwind, NextAuth.js, Typeform, PostgreSQL

Hamilton, ON

- Optimized registration portal used by **2500+** applicants each year by migrating from Vue.js to **Next.js**
- Integrated **TRPC, Prisma, and Netlify functions** stack which **scaled** the back end to handle **10k+** requests throughout the year
- Ensured privacy security of **thousands** of upcoming applicants by implementing OAuth using **NextAuth.js**

Technical Manager

May 2022 — Present

McMaster Computer Science Society | React, Linux, Docker, DevOps

Hamilton, ON

- Streamlined **DevOps** infrastructures used by **200+** executive and general members
- Achieved 80% more website traffic by implementing a minimal and intuitive design in **React**
- Saved **\$250/year** by implementing a **self-hosted** Bitwarden password management solution

PROJECTS

Arian.gg | Personal website

Next.js, React, Tailwind, Python, OpenAI API, LLM

- Designed and developed a minimalist and responsive personal website using **React** to showcase my projects and skills
- Leveraged **Next.js's** static site generation to optimize performance and SEO
- Integrated a **LLM** based chatbot by prompt tuning an **OpenAI** model on my information

Ryan-Jr | Student email address verification bot

Python, Gmail API, PostgreSQL, SQLAlchemy, Discord API

- Implemented an authentication pipeline from scratch to authenticate 100+ students
- Designed a **PostgreSQL** database to match discord bot requests to receive a Gmail API verification magic link

HACKATHONS

HackDex - An online hackathon mentorship platform

React, Firebase, GCloud, Express.js, Discord Auth

- Won **Audience Choice Award, Dream Big** and **Create More Awards**
- Developed a prototype using **React** and **Express.js** to integrate discord OAuth

Consensus - Alternative measure of product quality

Cohere AI, Python, Scikit-learn, Numpy, Scrapy

- Achieved better product quality measure by scraping 20k+ amazon reviews and using **NLP** to generate 10 key points per product