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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
- Dean's Honour Roll for achieving a GPA of 4 in first year

SKILLS

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

EXPERIENCE

Teaching Assistant

June 2022 — Present

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

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
- Hosted a Hacktoberfest to aid **20+** club members learn about **open source** and **teamwork**

PROJECTS

TestFlight Tracker | Track beta iOS app invites

Python, BeautifulSoup, Gmail API, Telegram API, discord API, Simplepush API

- Scraped data from Apple's website using BeautifulSoup Library
- Leveraged several **APIs** to notify the user about available spots

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 library, Numpy, Scrapy

- Showcased at private meeting with the creators during and after the hackathon
- Achieved better product quality measure by scraping 20k+ amazon reviews and using **NLP** to generate 10 key points per product