

RAMI MAALOUF

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Education

University of Calgary

Sept 2021 - Apr 2025

Bachelor of Computer Science Honours with a minor in Data Science (3.8 GPA)

- **Courses:** OOP and fundamentals of programming in Python & Java, Data Structures & Algorithms
- **Extracurricular clubs:** Comp Sci Undergrad Society, Competitive Programming Club, Info Sec Club
- **Hackathons Participated:** Hack The North (x2), Calgary Hacks, Hack The Change, etc...

Skills

- **Languages:** Python • Typescript (.tsx & .ts) • Java • Bash • C • Assembly
- **Technologies:** Next.js • React.js • HTML/SCSS/JS • Node.js • Tailwindcss • Framer Motion • SQLite • PostgreSQL • MongoDB • Firebase • Jupyter • Selenium • Git • Tableau • Excel • APIs

Projects

Psycho Driver ([Repo](#) | [Website](#) | SvelteKit | TypeScript)

August 2022 - September 2022

- Race or teach a self-driving car that was taught using neural networks
- Learned the 'back-end' of how AIs and neural networks work. Also learned, the process of Software Development Life Cycle(SDLC) to build the app from its small simple features to a full-on complex app

Memor.i.eye ([Repo](#) | [Website](#) | cohere | openCV | CockroachDB | tailwind)

September 2022

- A dashboard where u can see all the images taken by the eye-tracking glasses from [AdHawk](#)
- Learned how to interact with a flask backend (that accesses the database and uses the [AdHawk](#) API to capture the images and store them in the database) with the NextJS frontend

Open Seat Notifier ([Repo](#) | [Website](#) | Next.js | Python | PostgreSQL)

Nov 2021, Aug 2022

- Sends an email to all the emails added to the DB when a new research opportunity is available.
- This project counter-intuitively taught me the limitless possibilities of APIs since they're basically an 'official' way of web scraping (GETting data off the web).

HashMap Visualization ([Repo](#) | [Website](#) | Next.js | Tailwindcss)

June 2022 - July 2022

- After completing my assignment for my [DS & A course](#), which was about implementing a hashMap in Java, I decided to make a website that would visually show how data gets stored in HashMaps.
- It helped my classmates fundamentally understand the structure and how HashMaps work which helped them complete the assignment.

Football League Manager ([Repo](#) | Java | JavaFX | JUnit5)

February 2022 - April 2022

- Diligently worked in a team of two, to code a UI based Football League Manager.
- Received a final grade of 99.8% for that project which constitutes 50% of that [course's](#) final grade.

You can find several of my other projects in my [GitHub profile](#) like a nearby crime tracker app and much more.

Work Experience

Code Ninjas - Code Sensei (teacher)

Calgary, AB, September 2022 - present

- Teach, help, and support kids aged 7-14 in different types, and skillsets as they follow the curriculum

Interests

Socializing • Reading • Programming • Basketball • Squash • Working out • Hiking • Longboarding