

Leiah Soriya Nay

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Education

McMaster University, Bachelor of Applied Science, Honours Computer Science

Sept 2021 - April 2025

- **Cumulative GPA: 3.9** or 11.7 on a 12.0 scale
- Golden Key Society: Placed in the top 15% of the program in the past two school years
- Relevant Courses: Computer Networks and Security, Information Security, Operating Systems, Databases, Object-Oriented Programming, Concurrent Systems, Data Mining, Algorithms and Complexity

Skills

- Programming Languages: **Python, Java, JavaScript, Haskell, Prolog, C, Bash, SQL**
- Frameworks and Tools: **Git, PyTorch, Pandas, NumPy, SpaCy, Linux**
- Interpersonal and communication skills as developed through coaching

Professional Experience

Software Engineering Intern

May 2023 - August 2023

Knowledgehook

Waterloo, ON

- Developed 4 interactive games in **Angular** using **JavaScript, HTML, and CSS**
- Utilized **Socket.io** to develop the base server-client architecture for a multiplayer game
- Designed 4 APIs that are used by software developers and those without coding experience
- **Tested**, conducted **quality assurance**, and made changes based on feedback for 5 projects
- Leveraged **GitHub** to synchronize and co-develop software projects with a team of 15 engineers

Content Engineer Assistant

May 2022 - August 2022

Knowledgehook

Waterloo, ON

- Developed 12 interactive math tools using **Angular** that are used by students globally
- Implemented alternative technical solutions to overcome design constraints
- Created over 20 detailed bug tickets for various projects after performing **quality assurance**
- **Optimized** code to run efficiently on numerous different devices

Coding Coach

March 2021 - August 2021

Hatch Coding

Toronto, ON

- Instructed 20 students of various levels on software development principles in **JavaScript** and **Python**
- **Debugged** over 50 student projects, often analyzing over 1000 lines of code
- Collaborated with other coaches to create lesson plans and solve problems in students' projects

Extracurricular Activities

McMaster AI Society's Projects Team

NoteFlow

September 2023 - Present

- Designed a program to summarize and organize inputted text in **Python** using the NLP library **SpaCy**
- Aimed to help students organize their hastily written notes

POST Study Project

September 2021 - April 2022

- Implemented a support vector machine, a supervised machine learning algorithm, in **Python**
- Utilized **PyTorch, Pandas, and NumPy** to predict whether opioid abuse victims improved in recovery
- Cleaned a large data set of over 8 million entries and selected training data

Personal Projects

[Portfolio Website](#)

May 2023 - August 2023

- A compilation of 6 personal and professional projects created using **JavaScript** in Angular

[Maze Dash](#)

May 2020 - June 2020

- A multiplayer game constructed in **Java** using **object-oriented design patterns**
- Users navigate through a randomly generated maze while avoiding 2 different obstacles