Leiah Soriya Nay

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Education

McMaster University
Bachelors of Applied Science, Honours Computer Science Co-op — Sept 2021 - April 2025

- **Cumulative GPA: 3.9** (11.8 on a 12.0 scale)
- Golden Key Society: Placed in the top 15% of the program in the 2021-2022 and 2022-2023 school years
- Relevant Courses: Computer Networks and Security, Information Security, Operating Systems, Databases, Object-Oriented Programming, Concurrent Systems, Data Mining

Skills

- Programming Languages: **Python, Java, JavaScript, Haskell, C, Bash, HTML/CSS, SQL**
- Frameworks and Tools: **Git, Pytorch, Pandas, NumPy, Linux**

Professional Experience

Knowledgehook
Software Engineering Intern — May 2023 - August 2023

- Developed four interactive games in **Angular** using **Typescript, HTML and CSS**
- Utilized **Socket.io** to develop the base server-client architecture for a multiplayer game
- Designed adaptable APIs that can be utilized by other developers and those without coding experience
- Conducted **quality assurance and testing**, including usability testing sessions with colleagues
- Leveraged **GitHub** to effectively synchronize and co-develop software projects with other engineers

Knowledgehook
Content Engineer Assistant — May 2022 - August 2022

- Developed twelve interactive math tools using **Angular** that are now used by students globally
- Proposed alternative technical solutions to overcome design constraints and increase adaptability
- Created detailed bug tickets for various projects after performing quality assurance

Hatch Coding
Coding Coach — March 2021 - August 2021

- Taught students, of various levels, coding principles in **JavaScript** and **Python**
- **Debugged** students' projects, often analyzing over a thousand lines of code

Personal Projects

Portfolio Website — May 2023 - August 2023

- A compilation of personal and professional projects created using Angular

Maze Dash — May 2020 - June 2020

- A multiplayer game created in **Java** using **object oriented design patterns**
- User(s) navigate through a randomly generated maze while avoiding obstacles

Extracurricular Activities

McMaster AI Society's Projects Team
POST Study Project — September 2021 - April 2022

- Developed a support vector machine in **Python** using **PyTorch, Pandas and NumPy** that determines whether opioid abuse victims improved in their recovery

NoteFlow — September 2023 - Present

- Used NLP in **Python** to summarize and organize inputted text
- Aimed to help students organize their hastily written notes

McMaster Gymnastics and Parkour Club — September 2022 - Present