

# Christopher Mikhail

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## EDUCATION

**Ryerson University**

Toronto, ON

Bachelor's of Science in Computer Science, minor in Cybersecurity

September 2022 - April 2026

## PROJECTS

**PantryPal** | *React, Flask, Azure, Linux CLI*

March - June 2023

- Developed PantryPal, a website utilizing AI technology to generate personalized recipes based on user preferences, including meal selection, calories, cultural preferences, and available ingredients.
- Reduced monthly hosting costs by 39% by choosing to host the website on a Linux Azure virtual machine (VM) instead of utilizing PaaS solutions like Azure App Service.
- Managed the VM configuration, maintenance, and security responsibilities to optimize cost efficiency and ensure reliable website hosting.

**Health Policy Student Association** | *HTML/CSS, Javascript, Flask*

February - March 2023

- Collaborated with a team member to successfully deliver a website for the Health Policy Student Association at McMaster University, increasing club outreach by 86%.
- Employed HTML, CSS, and JavaScript to create an interactive and responsive user interface.
- Developed and implemented an email submission system using Flask, allowing over 25 students to subscribe to club newsletters and stay updated with the latest events and updates.

**GPTbot** | *Python, MySQL, AWS Amplify*

December 2022

- Assisted in developing a Python-based Discord bot that leverages the OpenAI API to generate intelligent responses to user prompts.
- Helped manage a MySQL database to store and securely manage user and server data.
- Successfully obtained a user base of over 100 individuals, processing more than 5000 requests.
- Developed a website to promote and showcase the bot using HTML/CSS and JavaScript.
- Utilized AWS Amplify to host and deploy the website, ensuring scalability and ease of maintenance.

## SKILLS

**Programming languages:** Python, HTML/CSS, JavaScript, Java, SQL

**Frameworks/Libraries:** React, jQuery, Tkinter, BeautifulSoup, Matplotlib, Flask

**Developer Tools:** Git, GitHub, Microsoft Azure, Pycharm, Visual Studio Code, IntelliJ, Linux CLI

**Soft Skills:** Communication, Teamwork, Leadership, Problem Solving, Time Management

## VOLUNTEER EXPERIENCE

**Summer Camp Instructor**

July 2019

- Managed groups of about 20 kids every day for 2 weeks.
- Organized over 10 fun yet meaningful activities that taught the kids more about their faith.

**Hymns Class Teacher**

March 2020 - March 2022

- Conducted weekly Zoom lessons for grades 3-6, ensuring high student engagement. Over 85% of the class achieved a high distinction in a local hymn competition.