

Maged Armanios

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EDUCATION

McMaster University

Bachelor of Engineering, Software Engineering

Hamilton, Ontario

Sep. 2020 – Nov 2025

PROJECTS

Twitter | *Python, JS, MongoDB, Node.js, Express*

github.com/marmanios/Twitter

- Developed a simple web application that shows a timeline of tweet-like posts on a local server
- Utilized EJS to implement templating to create multiple scalable pages
- Implemented MongoDB to store user data in an efficient manner

Mac Unity Developers Discord Bot | *Python, AWS, SQL, Git* github.com/marmanios/Unity-Developers-Bot

- Created a Discord Bot for the McMaster Unity Club to automate channel creation and announcements
- Used SQL-Lite 3 to store information about club server members
- Used BeautifulSoup 4 to parse through the McMaster news Site and post new articles on an hourly basis

PRISM Game | *Python, SQL, PyGame*

sites.google.com/view/foogames

- In a team of 4, designed and created a story game with PyGame and SQL
- Posted daily blogs throughout the duration of the game's development
- Assisted in developing the website and advertisements for the game

EXPERIENCE

Intern

Summer 2019

University of Waterloo

Waterloo, Ontario

- Tasked with discovering and reporting possible circuit simulation softwares to be used in the Waterloo Mechatronics program
- Learned LTSpice and created an introductory guide for both windows and mac-OS to be used by hundreds of students
- Increased my capability for self-learning and time-management through rigorous independent study

Sales Associate

Summer 2018

Banana Republic

Mississauga, Ontario

- Maintained the sales floor, provided suggestions, and answered customer questions during influxes of up to 300 customers per hour

EXTRACURRICULARS

McMaster Unity Developers | *Game Developer*

- Developed multiple C scripts handling collision, character creation, and environment loading
- Worked in a group of 3 using an agile development cycle

Total Health Pharmacy | *Volunteer*

- Created blister packs for patients aged on average 82 years old
- Answered phone calls and maintained pharmacy floor

Tutor | *Self-Employed*

- Privately tutored various students in subjects such as high school mathematics, physics, and data structures / algorithms

TECHNICAL SKILLS

Languages: Java, Python, C/C#, SQL (SQLite), JavaScript, HTML/CSS

Frameworks: React, Node.js, Express

Developer Tools: Git, VS Code, IntelliJ, Postman

Libraries: pandas, NumPy, Matplotlib