

DANIEL MASPOCH

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EDUCATION

Honours Bachelor of Science Degree in Computer Science Brock University, St. Catharines, ON	Sep 2023 - May 2027
Bachelor of Software Engineering University of Waterloo, Waterloo, ON	Sep 2022 - Dec 2022

TECHNICAL SKILLS

- Web development technologies (HTML, CSS, Node.js) - Intermediate.
- Java programming language - Advanced.
- C programming language - Intermediate.
- Python programming language - Intermediate.
- C# programming language (game development) - Intermediate.
- Microsoft Excel (Functions, regression analysis) - Advanced.
- Microsoft PowerPoint (Slideshow, animation) - Advanced.

ACADEMIC PROJECT EXPERIENCE

Course Manager Brock University, St. Catharines, ON	July 2024 - Aug 2024
<ul style="list-style-type: none">• Developed a web application using Node.js and Express that manages a course load during an academic term. The application allows the user (student) to create courses and add lectures to them.• The user uploads lectures to the application, which then calls the OpenAI Assistant API to generate a summary of the lectures. The information is then saved using Sequelize into a MySQL database.	
Film Database Brock University, St. Catharines, ON	May 2024 - Jun 2024
<ul style="list-style-type: none">• Developed a website that retrieves data from The Movie Database (TMDB) using the browser fetch API, dynamically generating HTML elements from the returned JSON data, successfully making it fully functional on all screen sizes.• Studied the Mozilla Developer Network (MDN) Web Docs when faced with the problem of designing elements such as the search bar, which not only helped me create the elements, but also made them responsive.	

ACADEMIC PROJECT EXPERIENCE

Face-Recognition System

Sep 2022 - Dec 2022

University of Waterloo, Waterloo, ON

- Used Python and OpenCV to train a model capable of face detection and recognition; based the system on a Raspberry Pi board and a camera attached using a flat ribbon cable, and it managed to achieve recognition accuracy rates over 80%.
- The face-recognition system initially had accuracy rates under 50% due to poor camera quality, and using a high-resolution camera significantly improved recognition success.

WORK EXPERIENCE

QA Tester

May 2020 - Aug 2022

ZyTech Software Solutions, Mississauga, ON

- Designed and executed comprehensive test plans, covering 90% of user scenarios for an educational product for Microsoft Team users, reducing critical bugs by 40%.
- Collaborated with the customer service team, directly resolving dozens of complex user-reported issues, enhancing customer satisfaction rates.

VOLUNTEER EXPERIENCE

Field Scout

Feb 2019

FIRST Robotics, Mississauga, ON

- Responsible for setting up the competition environment in preparation for tournament matches; organized and arranged equipment on the robot play fields, ensuring matches to proceed smoothly and efficiently, and creating a seamless experience for participants and spectators.
- Faced tight deadlines between matches, communicated with other field scouts to plan and organize match pieces, prioritizing tasks, and allocating responsibilities, resulting in a successful tournament experience.

Lego League Referee

Jan 2019

FIRST Robotics, Hamilton, ON

- Coordinated match schedules and managed team logistics as a referee entrusted with organizing tournament matches, successfully running matches with seamless coordination.
- Through guidance and mentorship, provided direction and support to younger players, sharing expertise and best practices to enhance their skills, leading to a fostering of their confidence and performance.

EXTRACURRICULAR EXPERIENCE

Makeshift Robotics

Sep 2018 - Jun 2022

Member, Hamilton, ON

- Worked with team members to create a robot within a six-week deadline by constructing parts and testing motor components, and through efficient coordination and a focused team effort, finished under 5 weeks, giving extra time to further enhance the robot.
- Responsible for developing professional PowerPoint presentations and utilizing effective public speaking skills to showcase the team's achievements, goals, and value proposition, which led to successfully securing funding from various sponsors.

PROFESSIONAL DEVELOPMENT

Academic Integrity Workshop

Sep 2023

Learning Services, Brock University, St. Catharines, ON

- Developed strategies for maintaining academic integrity such as better time management by participating in Brock's Academic Integrity Workshop.

AWARDS

Top 10-Honor Roll Recipient

Jun 2022

St. Mary CSS, Hamilton, ON

EUCLID Mathematics Contest Participant

Apr 2022

CEMC, Hamilton, ON

Canadian Senior Math Contest Participant.

Nov 2021

CEMC, Hamilton, ON