

John Popovici

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Professional Summary

Cybersecurity and Software Engineering student with industry and academic assistant experience.

Python, Java, NN, HTML, CSS, JavaScript, Matlab, SQL, C Shell, Git, Linux, LaTeX, Figma, VBA, Regex

Education

Master in Cybersecurity and Cyber Defence | *University of Luxembourg - Luxembourg* Class of 2027

- ENISA EU Cybersecurity Skills Framework (ECSF)

Bachelor of Software Engineering | *McMaster University - Canada* Class of 2025

- 11.5/12.0 GPA; **Summa Cum Laude**; Principal's Award and University Senate Scholarship

Ontario Secondary School Diploma | *Newmarket High School - Canada* Class of 2019

- 95.5/100.0 GPA; Awarded Principal's Honour Roll and Academic Distinctions

Work Experience

Multimedia Textbook Assistant | *McMaster University - Canada* Jan 2025 – June 2025

- Developed and wrote interactive content for open and free [web development course textbook](#)
- Collected and analyzed student survey results to assess textbook implementation and usage

Teaching Assistant | *McMaster University - Canada* Sept 2021 – Apr 2022 & Sept 2024 – Apr 2024

- Facilitated online and offline **academic guidance and marking** for courses with 1,000+ students
- Covered topics of Engineering Project Design, Data Structures, Algorithms, and Web Development

Design Verification & Automation Developer | *AMD - Canada* May 2022 - Apr 2023

- Scripting in **Python, Perl, Ruby, C Shell with Regex** to automate and enhance testing process
- Maintained and improved power analysis tools using **Perforce and Jira**
- Provided weekly updates and reviews of **tests, simulations, and experiments**, for 6+ projects
- Lead on the Intern Steering Committee, hosting events for 300+ Interns and University Partners

Junior Programmer | *Valor Distributions - Canada* May 2021 – Aug 2021

- Developed warehouse/lab management system with **VUE.JS, Laravel, PHP** and **SQL Database**
- Quality Assurance (QA) and website development that were live within the week with **GitHub**

Other Highlights

Customizable Neural Network from Scratch | *Personal Project* Summer 2025

- Developed customizable NN using **Python** and **NumPy**, evaluated vs **TensorFlow**; [GitHub](#)

Personal Website | *Personal Project* March 2025

- Created website using raw HTML, JavaScript, CSS on GitHub Pages; [Website](#); [GitHub](#)

Dice Duels | *Group Project* Sept 2024 – April 2025

- Implemented customizable modernized Yahtzee using **Godot** with documentation; [GitHub](#)

Custom Microsoft Office Automation | *Commissioned Project* Summer 2024

- Implemented Visual Basics for Application (VBA) macros and Python for workplace automation

OpenAI Discord API ChatBot | *Personal Project* Summer 2021

- Implemented **GPT-3 API** to create a Discord chatbot and sentiment analysis; [Report](#)

Student Representative & Ambassador | *McMaster Engineering Society* Sept 2019 – Apr 2022

- Voted representative by student body and awarded **2019-2020 Council Appreciation Award**