John Popovici

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Professional Summary

Software Engineering student with 16 months of internship experience and 16 months as a University Assistant. Skilled in academic, technical, and interpersonal areas, eager to contribute and grow.

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

Education

Bachelor of Software Engineering | *McMaster University - Canada*   Class of 2025
- 11.5/12.0 GPA; Awarded Principal's Award and University Senate Scholarship

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

Work Experience

Multimedia Textbook Assistant | *McMaster University - Canada*   Jan 2025 – April 2025
- Developed H5P interactive content for open and free web development course textbook
- Collected and analyzed student survey results to assess textbook implementation and usage

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

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

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**

Shipping Associate | *Valor Distributions - Canada*   July 2019 – Aug 2019

Other Highlights

Dice Duels | *Group Project*   Sept 2024 – April 2025
- Implemented customizable modernized Yahtzee using Godot with documentation on GitHub

OpenAI Discord API ChatBot | *Personal Project*   2021
- **Implemented GPT-3 API** to create an LLM-based chatbot using a Discord bot, before ChatGPT

Student Ambassador | *McMaster Engineering*   Sept 2019 – Apr 2022
- Ongoing Engagement with future students, conversing on and offline and leading campus tours

Student Representative | *McMaster Engineering Society*   Sept 2019 – Apr 2022
- Voted representative by student body and awarded **2019-2020 Council Appreciation Award**

Director of Design and Manufacturing | *First Robotics Competition*   Sept 2018 – June 2019
- Worked to found the local FRC team and awarded two **Rookie Team of the Year Awards**