

Ivan Varquez

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EDUCATION

University of Toronto **Sept. 2019 - Dec. 2025 (expected)**
HBSc: Major in Applied Statistics, Minor in Computer Science, Minor in Mathematics.

EXPERIENCE

University of Toronto Mississauga, Ontario
Research Assistant (CSC263) *Jun. 2022 - Present*

- Developed educational resources to demonstrate topics related to **Abstract Data Structures** and **Time Complexity Analysis**
- Developed After Effects script using **JSX** to automatically render and organize files improving productivity by **300%**
- Collaborated with Professors and Students to ensure material was effectively communicated

Mathematics and Computational Sciences Society Marketing Associate *Nov. 2021 - Present*

- Designed mockups for websites and content using **Figma**
- Analyzed audience engagement and created short-form animated media to improve interactions by an average of nearly **75%**
- Coordinated with different departments to promote events such as hackathons and workshops

Odyssey Systems and Solutions Halton Hills, Ontario
Computer Technician *Jul. 2018 - Mar. 2020*

- Built and Repaired Computers (Hardware, Software on Windows, Mac and Linux)
- Handled customer interaction and facilitated team meetings
- Shadowed commercial server and network setups

PROJECTS

Three Musketeers Game | Java, GitHub

- Used **design patterns** such as the **builder pattern** to implement new features in Three Musketeers game
- Utilized **SCRUM** framework to coordinate tasks between group members, facilitated weekly scrum meetings
- Used **GitHub** to collaborate as a group, peer-reviewed pull requests

OCT Scraper | Python, R

- Utilized **APIs** to collect data on Ontario College of Teachers and created a dataset based on their respective degrees
- Utilized **multithreading** to improve performance by **400%**
- Used **R** to clean and analyze data

TECHNICAL SKILLS:

Programming/Statistics: Python, Java, C, HTML, CSS, JavaScript/Typescript, React.js, Node.js, R

Tools: Git/Github, Jira, MS Office, Slack, Adobe CC, Figma