

# Joshua Wuebbolt

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## EDUCATION

### University of Toronto

*Bachelor of Science in Computer Science*

Toronto, Ontario Canada

*Sep. 2022 – Current*

## EXPERIENCE

### Service Technician

*First Security Protection Services*

Jun. 2023 – Sep. 2023 & May 2024 – Present

*Markham, Ontario*

- Set up and maintained **security servers**.
- Responded to emergency calls where security vulnerabilities needed to be fixed ASAP.
- Monitored security servers to assure the system was secure and behaving reliably.

## PROJECTS

### OmaTV | C, Makefiles, Streaming, GUI, Torrents

- Developing a **streaming service** that will stream from **torrents**.
- **GUI** will focus on a cable like experience for easy use by Omas (Grandmothers).
- Program is coded primarily in C with **Makefiles** used for compilation.

### The Great Adventure | Java, GitLab, GUI, CSS

- Worked as the **scrum master** and held **weekly meetings** as well as checking in on each team member multiple times per week.
- Created four separate iterations, holding a meeting to gather feedback and **create tickets** for each team member to complete by the next iteration.
- Made use of **GUI** elements to create a vibrant and fully interactive user experience.
- Used GitLab as a version control system. Managed multiple branches and authored merge requests.
- Used Java to create responsive backend and **controller logic**.

### Streamer | C, Streaming, Makefiles

- Created two **music streaming programs** in C, both Server and Client.
- A **circular buffer** was used to ensure fast and memory efficient streaming and downloading of music files over an internet connection for a maximum download and streaming speed of **20MB/s**.
- Though specially made for music files (flac, m4a, mp3, ogg and wav) all file types are compatible for download.

## EXTRA CURRICULAR

### MCSS (Math & Computational Sciences Society)

*Core Member & Administrative Exec.*

May 2022 – Present

*University of Toronto*

- Organize workshops, events, and Deerhacks (A hackathon for UofT students with over **300+ students** attending.)
- Perform team management to ensure all team members are up to date and working on appropriate tasks.

### UTM Urbanism

*Vice President External & Events Director!*

Aug. 2023 – Present

*University of Toronto*

- Advocated **Municipal, Provincial and Federal Governments** for improved public transportation and housing.
- Organized **two mayoral debates** for Mississauga's 2024 mayoral election.
- Organized events such as talks with **Reese Martin of RM Transit**, two local Ward Councilors, two MPs.
- Hired and supervised a team of associates to assist in the running of the organization.
- Won the **Sustainability Award** from the UTMSU.

## TECHNICAL SKILLS

**Languages:** Java, Python, C, Makefile, HTML/CSS, JavaScript, Command Language, Kotlin

**IDEs:** VS Code, PyCharm, IntelliJ, Eclipse, Vim, Android Studio

**Developer Tools:** Git, Linux, Unix, React, L<sup>A</sup>T<sub>E</sub>X, Figma