

Education

Carleton University

Ottawa, ON

September 2021 - May 2025

- BS in Honours Computer Science (Software Engineering Stream).
- Coursework (In Progress): Discrete Structures, Linear Algebra/Mathematics, Statistical Modeling

Skills & Proficiencies

- Languages & Frameworks: Python, C++, Java, HTML, CSS, JavaScript, React
- Technologies: Git, NGINX, uWSGI, GNU/Linux, Bash, Electron, PostgreSQL, REST APIs, Docker
- Tools & Suites: Visual Studio Code, Google Analytics, Make, Unity, Photoshop, Figma

Work Experience

Harled Inc.

Software Developer Intern

August - November 2020

Kitchener, ON

- Developed a scalable Equipment Tracking System backend to actively track **1000s** of objects across Canada.
- Tailored service for users from the **Royal Canadian Air Force** to track equipment worth **\$100,000s**.
- Simulated JSON GPS responses using Python to decrease software testing time by approximately **70%**.
- Introduced a **REST API** and employed technologies such as **Django, PostgreSQL, Docker** and **Debian**.

MississaugaHacks

Lead Organizer

April - June 2020

Mississauga, ON

- Organized sponsorships and event logistics for the **largest online hackathon** in the Peel region.
- Worked with popular tech YouTubers such as **TechWithTim** and **Brackeys** to host 3 speaking events.
- Created an independent submission and event platform to facilitate large events with **Django** and **React**.
- Managed **Debian GNU/Linux** server to support **100+ users** on site at once.

Projects

Self-hosted Hackathon Platform (🌐 OpenEvent)

- Free hackathon platform used by 2 hackathons and 200+ people in total.
- Python, Django, NGINX, Gunicorn, Ubuntu GNU/Linux, Docker.

Advanced Mouse Puzzle Game (🌐 PRECURSOR)

- 97th percentile submission to the **46th Ludum Dare** GameDev Contest for "Innovation".
- 153 downloads on **itch.io** since April 2020.
- C#, Unity, Blender, FL Studio, Photoshop

Short-form Writing Platform (🌐 readlet)

- Markdown document hosting that supports reading and uploading through a REST API.
- Python, Django, React, NGINX, Gunicorn, Ubuntu GNU/Linux.

Live Generated Virtual Internet (🌐 SpyDirWeb)

- Implemented using various website APIs as well as **TensorFlow** and **GPT-2**.
- Originally a submission for the 2020 Python Discord Summer Code Jam.
- Judged finalist by panel containing **CPython** core developers.
- Python, Django, Docker, TensorFlow, GPT-2.