

# Asher Andargachew

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## Education Summary

- 2021 - Present    **Toronto Metropolitan University, Computer Science (BSc (Hons))**
- 3<sup>rd</sup> year student, expected to graduate in **2025** with industry, freelance and academical experiences and interest in user experience, artificial intelligence, and web-based technologies.

## Coding Experience

- 2023    **Google Software Engineering Intern | Google LLC | Kubernetes Engine; Engineering Productivity**
- Spear headed the addition of **core program functionality** to extensive and detailed code base spread across multiple internal locations for internal use.
  - Documented reproducible steps necessary to continue work after my leave, saving **45%** of time on project ramp up alone.
  - Made the tool **more accessible** for use across different teams within the company.
  - Constructed **reusable** and **maintainable** data using Protocol Buffers.
- 2022 - 2023    **Free Lance developer | Camino Wellbeing + Mental Health**
- Single handedly created an automated program that was able to email over **1000 people** custom documents containing their names and their respective community hours using MS Word and Python.
  - Optimized code previously written by me a year prior to improve the application's performance by **85%**.
  - Maintained **on call support** with client during product usage to assist with bugs and troubleshooting.
- 2022    **Google Software Engineering Intern | Google LLC | Cloud Healthcare API**
- Created an internal application using certain Google tools to automate the creation of Health Level 7 medical protocols.
  - Simplified team testing workflow by **80%** by implementing common generated Health Level 7 messages.
  - Completed internal training, familiarized self with tools and learned Go programming language in **2 weeks**.
  - Familiarized self with internal Google codebase including libraries with **several thousand lines** of code.

## Personal Projects

- 2023    **Personal Portfolio Website, <https://asherand.com>**
- Created personal portfolio website from scratch using **HTML, CSS and ReactJS**.
  - Includes multi-device **responsive** layout.
  - Dynamic data loaded from **database** that updates visible information.
- 2021 - Present    **Music Audio Visualizer, <https://asherand.github.io/js-music-viz>**
- Ongoing project which takes real time audio data and converts it to exciting visuals.
  - Visualizes both mp3 and live audio data from local storage, mic, or the **Spotify API**.
- 2021    **Comic Book Web Scraper, Code unavailable publicly**
- Weekly Comic Book downloader handpicked by the user all within the terminal using **Python**.

## Skills

Programming Languages: Python, JavaScript, Go lang, Java, C, MySQL, HTML, CSS  
Frameworks/Tools: React, Git, Figma, Linux, Firebase, Protobufs  
Hardware: 3D printing, Arduino, Soldering, Circuitry  
Software: Adobe Creative Suite, Google Workspace Suite, Microsoft Office Suite, Blender

## Activities and Volunteer Work

- 2021    **Coding Instructor, Pathways to Education**