

Zayed Umer

✉ umerz@mcmaster.ca

☎ 647-517-3009

🌐 github.com/zayedu

🌐 zayedu.github.io

PROGRAMMING SKILLS

- **Languages:** Python, Java, Bash, Batch, HTML, CSS, LaTeX, JavaScript, Git, SQLite, C, MatLab, Verilog
- **Technologies:** AutoDesk Inventor, GitHub, Jira, React, NumPy, Matplotlib, TensorFlow, Pickle, SciKit, OpenCV, OpenAI, Pandas, YFinance

EXPERIENCE

- **LocoMobi World Inc.**, Mississauga, ON **Software Developer Intern** *May 2023 - August 2023*
 - **Python Development:** Developed Python programs to monitor LocoMobi World devices, implemented client notification systems. Streamlined operations at 100+ client sites.
 - **Quality Assurance:** Created 150+ test cases for company hardware and software, used TestFlight and JIRA for app updates and issue tracking. Logged and help solve 50+ hardware and software bugs.
 - **Automation Engineering:** Streamlined tasks on Linux and Windows using bash and batch. Cleaned data on 50+ linux based Raspberry-Pis.
 - **Technical Writing:** Wrote 100s of lines of customer-friendly documentation on hardware module configuration.
- **Spinal Cord Injury Ontario**, Toronto, ON **Data Cleaning Coordinator** *June 2021 - August 2021*
 - **Data Integrity:** Cleaned and managed 200+ donor databases using Raiser's Edge software.

PROJECTS

- **Sign Language AI**
 - Computer vision project in Python for real-time American Sign Language (ASL) character recognition.
 - Utilizes NumPy, Matplotlib, TensorFlow, Pickle, SciKit and OpenCV.
 - Achieved an accuracy score of over 95%.
- **AI Financial Assistant**
 - Chatbot for real-time stock market information using OpenAI, Pandas, YFinance, Matplotlib, and Streamlit.
 - Features real-time stock data, interactive charting, natural language understanding, and a user-friendly interface.
 - Provides up-to-the-minute stock prices, historical data, and key financial statistics for publicly traded companies.
 - Check this project out [here](#).
- **Personal Website**
 - Designed and developed a visually captivating, responsive personal website using HTML5, CSS3, React, and JavaScript.
 - Attracted over 500 unique visitors, showcasing my web development and design skills.
- **Recycling System**
 - Created a Python program to control a robotic arm.
 - Created a program for material identification and classification.
 - Designed a sustainable waste management mechanism.
 - 3D printed and physically implemented the mechanism, ensuring practicality and reducing implementation costs by 25%.
 - Prepared engineering drawings using Autodesk Inventor, ensuring the precise manufacturing of designed components.

LEADERSHIP

- **AI Society** **McMaster University** *2023 - Present*
- **Student Council** **Albert Campbell CI** *2021-2022*
- **Computing Club** **Albert Campbell CI** *2021 - 2022*
- **Co-President, Stock Market Club** **Albert Campbell CI** *2021 - 2022*

EDUCATION

- **McMaster University** **Hamilton, ON**
CGPA : 3.7
Bachelor of Software Engineering **Dean's List 2023**
Expected Graduation: April 2026
- **Albert Campbell CI** **Toronto, ON**
Class Valedictorian *2018 - 2022*