# Zayed Umer

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notzayed.me

## Programming Skills

• Languages: Python, Java, Bash, Batch, HTML, CSS, LaTex, Markdown, JavaScript, Git, C, MatLab, Verilog, SQL

• Technologies: AutoDesk Inventor, GitHub, Agile Methodologies, Kanban, React, NumPy, TensorFlow, SciKit, Computer Vision, Pandas, PyTorch, VSCode, JetBrains, Eclipse, Jupyter

## 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 Agile Methodologies for updates, management and issue tracking. Logged and help solve 200+ hardware and software bugs.
- Automation Engineering: Streamlined tasks on Linux and Windows using bash and batch. Cleaned data on 50+ linux based Raspberry-Pis.
- o 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

o Data Integrity: Cleaned and managed 200+ donor databases using Raiser's Edge software.

### Projects

- Sign Language AI
  - o 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
  - o 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.
- Movie Recommendation Site
  - Developed a Python web app that recommends similar movies based on user input, leveraging data science and cosine similarity.
  - Utilized Python packages including scikit-learn, pandas, and pickle for efficient data processing and recommendations.
  - $\circ\,$  Implemented a dynamic user interface to facilitate user-friendly interactions.
  - Check this project out here.

#### 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
Bachelor of Software Engineering

*CGPA*: 3.7

Relevant Courses: Data Structures and Algorithms, Object Oriented Programming

Hamilton, ON Dean's List 2023 Expected Graduation: April 2026

• Albert Campbell CI Class Valedictorian Toronto, ON 2018 - 2022