Zayed Umer

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PROGRAMMING SKILLS

- **Languages**: Python, Java, Bash, Batch, HTML, CSS, LaTeX, JavaScript, Git, SQLite, C
- **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.
  - **Quality Assurance:** Created testing plans, used TestFlight and JIRA for app updates and issue tracking.
  - **Automation Engineering:** Streamlined tasks on Linux and Windows using bash and batch.
  - **Technical Writing:** Created 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 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

- **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.
  - Check this project out **here**

- **Personal Website**
  - Designed and developed a responsive personal website from scratch using HTML5, CSS3, React and JavaScript.

- **Recycling System**
  - Created a program for material identification and classification. Designed a sustainable waste management mechanism.

- **Get A Grip**
  - Developed a Python software program for remote robotic arm control.

CLUBS

- **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*

AWARDS

- 2022 Valedictorian Award Winner   **Albert Campbell CI**
- 2022 Engineering Award of Excellence Scholarship   **McMaster University**
- Dean's list   **McMaster University**

EDUCATION

- **McMaster University**   **Hamilton, ON**
  Bachelor of Software Engineering   *Expected Graduation: April 2026*