# Zayed Umer

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## 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.
  - **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.

- **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.
  - 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**    **Hamilton, ON**
  *Bachelor of Software Engineering*    *Dean's List 2023*
  *CGPA:* 3.7    *Expected Graduation: April 2026*
  ***Relevant Courses:*** Data Structures and Algorithms, Object Oriented Programming

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