

# Zayed Umer

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## PROGRAMMING SKILLS

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• **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

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• **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

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• **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

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• **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

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• **McMaster University**

*CGPA : 3.7*

*Bachelor of Software Engineering*

**Hamilton, ON**

**Dean's List 2023**

*Expected Graduation: April 2026*

• **Albert Campbell CI**

*Class Valedictorian*

**Toronto, ON**

*2018 - 2022*