

Yulun Feng

✉ feng.yulu@northeastern.edu

☎ (519)702-6636

📍 Boston, MA

🌐 [LinkedIn](#)

🐙 [Github](#)

WORK EXPERIENCE

China Post Logistics (Fujian)

Junior Automation Engineer

📅 May 2021 – Jul 2021

📍 Xiamen, Fujian, China

Assisted with troubleshooting; Enhanced OCR for mail barcodes by introducing machine learning for low-accuracy cases, including damaged and blurry images. Generated process models using the Uibot framework and Python. Developed and debugged RPA scripts, optimized performance, and implemented new features.

China Mobile.

Junior Data Analyst

📅 May 2020 – Jul 2020

📍 Xiamen, Fujian, China

Developed a rapid identification process for potential fraud using Python for data crawling and processing. Captured platform data with Python crawlers, compared it with existing data in Excel to identify abnormal features, and verified results using Python. Enhanced operational efficiency by 50% through the implementation of data visualization techniques, significantly reducing reliance on manual data comparison.

PROJECT

[AI-Based Store Search App](#)

📅 Sep 2023

📍 London, ON, Canada

Implemented and optimized search algorithms in C++ using trie data structures and the TF-IDF algorithm. Established and configured a Flask server and MySQL database for the backend. Executed comprehensive unit and integration testing to guarantee system reliability and performance. Documented the development process and maintained clear code documentation to facilitate future scalability and maintenance.

[University Map Demo](#)

📅 Jan 2023

📍 London, ON, Canada

Developed an interactive campus map system using Java and Java Swing, architecting the foundational framework. Integrated sophisticated features, including custom tagging, optimal pathfinding algorithms (Depth-First Search and Greedy Algorithm), and comprehensive browsing history tracking.

RESEARCH

[A Dimension-Reduced Artificial Neural Network Model for the Cell Voltage Consistency Prediction of a Proton Exchange Membrane Fuel Cell Stack](#)

📅 May 2022

📍 Chengdu, Sichuan, China

Enhanced data collection and preprocessing for the fuel cell stack. Contributed to the initialization, training, and hyperparameter tuning of an Artificial Neural Network (ANN) model in MATLAB, employing cross-validation for model evaluation. Assisted in selecting the optimal model for predicting cell voltage distribution and ensuring fuel cell stack consistency.

EDUCATION

M.S.

Information System

Northeastern University

📅 September 2024 - June 2026

📍 Boston, MA, United States

B.S.

Computer Science

Western University

📅 September 2019 - June 2024

📍 London, ON, Canada

SKILLS

- JavaScript
- HTML
- CSS & Bootstrap
- PHP
- MySQL
- C
- C++
- Java
- Python
- Node.js
- ARM Assembly
- MIPS Assembly