

Yulun Feng

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📍 Boston, MA

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WORK EXPERIENCE

China Post Logistics (Fujian)

📅 May 2021 – Jul 2021

Junior Automation Engineer

📍 Xiamen, Fujian, China

Improved OCR accuracy by 30% for mail barcode recognition through the introduction of machine learning algorithms, addressing low-quality images such as damaged or blurry barcodes.

Developed and debugged RPA scripts using the Uibot framework and Python, which enhanced operational efficiency by 25%, leading to faster processing of mail-related tasks.

Created process models to automate routine tasks, significantly reducing manual interventions and streamlining workflows.

China Mobile

📅 May 2020 – Jul 2020

Junior Data Analyst

📍 Xiamen, Fujian, China

Spearheaded a fraud detection system that improved detection speed by 50%, using Python to process, and analyze large volumes of platform data.

Reduced manual data comparison time by 30% by developing automated data visualization tools in Python, enabling faster identification of anomalies and operational inefficiencies.

Developed Python crawlers to gather data and used Excel for manual verification, significantly improving data reliability and reducing human errors by 20%.

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

Contributed to a 15% increase in the accuracy of cell voltage consistency predictions for fuel cell stacks by enhancing data collection and preprocessing methods.

Collaborated in the design and training of a MATLAB-based Artificial Neural Network (ANN) model, leading to more precise voltage distribution predictions and improved system reliability.

Optimized hyperparameter tuning processes, improving the performance of the ANN model by 10% through cross-validation techniques.

PROJECT

[AI-Based Store Search App](#)

📅 Sep 2023

📍 London, ON, Canada

Implemented and optimized search algorithms using trie data structures and the TF-IDF algorithm. Established a Flask server and MySQL database for backend functionality while ensuring system reliability through comprehensive unit and integration tests.

[University Map Demo](#)

📅 Jan 2023

📍 London, ON, Canada

Developed an interactive campus map system using Java, incorporating custom tagging, pathfinding algorithms, and browsing history tracking to enhance user navigation and search efficiency.

EDUCATION

M.S.

Information Systems

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