Louis Fengqi Hu

(410) 805 1208 | hufq0611@outlook.com | www.louishu.com
500 W University Pkwy, Baltimore, Maryland, 21210

EDUCATION

Johns Hopkins University[1]

Master of Engineering in Computer Science, Aug 2025 – Present
Coursework: Machine Learning, Computer Vision, Software System Design, Artificial Intelligence

Zhejiang Gongshang University[2]

Bachelor of Engineering, Software Engineering, Sep 2021 - Jun 2025
Coursework: Data Structure, Python and Data Science, Software Qualify and Testing, Design Patterns, Database

PROFESSIONAL SKILLS

Programming/Scripting Languages: (Proficient) Java, JavaScript, Python, C
Frameworks and Tools: Spring Boot, Vue, SQL, API Design, Numpy, Dataframe, OpenCV, Git, JUnit

PROJECTS

A hybrid defect detection and validation framework for ceramic tiles[1]--------------------------*Sep. 2025 – Dec. 2025*

- Applied deep learning and computer vision technologies to build a system to automatically detect and classify various common defects on the surface of ceramic tiles.
- Based on the YOLO model and optimized it with attention mechanism and SPD convolution module to make it lighter and more precise.

Kitty Gourmet Food Hall—Online Shopping Platform[2]---*Oct. 2023 – Jun. 2024*

- Utilized Vue for front-end development and Spring Boot for back-end, developed an online cat food shopping platform for cat owners. Optimized core function performance via multiple testing rounds.
- Responsible for the project development, server deployment and maintenance.

Python's Evolution on Stack Overflow: An Empirical Analysis of Topic Trends[2]--------------*Aug. 2023 – Aug. 2024*

- Analyzed 2M+ Stack Overflow Python-related posts to identify shifting trends in language popularity and technical challenges.
- Developed a GBDT model using Pandas and Matplotlib to forecast post popularity with high accuracy.
- Published findings as First Author in the Journal of Computer Languages (COLA).

Programmer Forum Recommendation System Based on User Profiling V1.0[2]-----------------*Aug. 2023 – Aug. 2024*

Software Copyright Owner Joint with Ye Wang and Kelei Wu

- Engineered a dynamic recommendation engine that adjusts content ratios based on real-time user interest, significantly reducing information overload.
- Processed and modeled extensive user behavior data to construct high-precision user profiles.
- Improved resource retrieval efficiency by implementing personalized filtering for developer-centric platforms.

Crosstalk Official Account on WeChat[2]--*Mar. 2023 – Jun. 2023*

- Integrated ERNIE Bot (LLM) API using PHP to build an intelligent recommendation system.
- Developed a custom interactive menu system using JSON configuration and the WeChat API, and integrated third-party websites such as ticketing and performance websites.

PROFESSIONAL EXPERIENCE

Hundsun Technologies Inc.

Engineer Assistant (Intern), Oct 2024 – Dec 2024

- Assisted in backend development for the transaction middle platform.
- Utilized the company's Light Code LLM tool to review business code and write standardized JavaDocs to ensure efficient AI-assisted code generation.
- Involved in the identification and resolution of business logic issues in existing code, improving code efficiency and readability by applying design patterns and modularization.