

Yiming Li

Master's Student in Embedded Systems

Solid foundation in embedded systems and real-time development, complemented by hands-on experience in IoT projects, cross-platform communication, and applied machine learning. Highly motivated to leverage AI and smart technologies to deliver impactful, real-world solutions.

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EDUCATION

Master in Embedded System

EIT Digital Master School(UNIBO&KTH)

09/2024 - Present

Bachelor in Communication Engineering

Shandong University

09/2020 - 06/2024

GPA:89/100

Summer School in Innovation in Digital Wellbeing

University of Barcelona

07/2025

SKILLS

C/C++



Python



Linux



Machine Learning / AI Agents



PROJECT EXPERIENCE

Meshtastic-MQTT-AI Agent Interoperability Framework (08/2025 - Present)

- Built a protocol-driven bridge linking LoRa Meshtastic devices, an MQTT broker, Telegram bots, and n8n AI agents, enabling structured multilingual message exchange and automated responses across heterogeneous platforms.
- Containerized the workflow with Docker, achieving reproducible deployment and supporting scalable experimentation in agent-protocol interoperability.

Networked Multiplayer Game using TCP & RPC (01/2025 - 03/2025)

- Designed client-server architecture with TCP sockets, handling message serialization, latency handling, and error recovery
- Developed a multiplayer game using Python Pygame, integrating low-level networking with custom Remote Procedure Call protocols

Credit Risk Classification using Machine Learning (11/2024 - 02/2025)

- Built a financial risk ranking classifier using structured data with 20 features, applying preprocessing steps including feature selection, categorical encoding, missing value imputation, and binning.
- Identified weak feature-target correlations, highlighting the importance of feature engineering and external data integration to improve predictive performance.

AWARDS

EIT Digital Master School Scholarship (09/2024 - 06/2026)

Merit-based award granted to top candidates selected from applicants worldwide.

National Encouragement Scholarship (09/2021 - 06/2023)

Merit-based China national award received in 2021 and 2022

First Prize Academic Scholarship (09/2021 - 09/2022)

Merit-based academic award received in 2021

LANGUAGES

English

Full Professional Proficiency

Chinese

Native or Bilingual Proficiency

INTERNSHIP EXPERIENCE

Solution engineer

IPG Automotive

06/2023 - 10/2023

China, Shanghai

German company specializing in simulation software for vehicle development

Achievements/Tasks

- Created road models, scenarios, and test catalogs for customers' virtual driving solutions.
- Collected and analyzed the sensor data for model validation using sensor-specific protocols.

INTERESTS

Swimming

Photograph

Gym Training