Hsin-Jou WU

MASTER OF COMPUTER SCIENCE –
SEEKING AI, DATA SCIENCE & EMBEDDED SYSTEMS INTERNSHIP
6 MONTHS FROM FEB 2026

CONTACT

- +33-685173470
- hsin-jou.wu@utbm.fr
- 90000, Belfort, France
- **www.linkedin.com/in/hsinjou-wu**

SOFT SKILLS

- Communication & Negotiation
- Adaptability
- Problem-solving
- Self-learning
- Time Management

TECHNICAL SKILLS

- Programming:
  Python, C, C++, Java, SQL
- AI & Data Science:
  TensorFlow, PyTorch, Scikit-learn
- Embedded Systems:
  Embedded C/C++, Arduino, STM32
- Tools:
  Git, Docker, Neo4j, 3D CAD

LANGUAGES

- Mandarin - Native
- English - Advanced
- French - Upper intermediate

INTERESTS

- Traveling
- Cooking
- Photography

EDUCATION

Master
Computer Science
2024 - 2026
University of Technology of Belfort-Montbéliard, France
Specialty: Artificial Intellegence, Data Science

Master
Computer Science and Information Engineering
2023 - 2026
National Central University, Taiwan
Specialty: Embedded Systems, IoT, Robotics, Knowledge Graph

Bachelor
Computer Science and Information Engineering
2019 - 2023
National Central University, Taiwan

EXPERIENCES

Research Internship
Jul 2023 - Jan 2024
Wu Yang Technology Co., Ltd., Taiwan

Development of UAV control system software & hardware

- Designed the MIAT Educational Drone Controller integrating hardware & software modules
- Developed embedded system functionalities in C, designed electronic circuits and 3D components

Master Thesis
Feb 2024 - Jul 2025
NCU Taiwan & UTBM France

A Knowledge Graph and LLM-Based Framework for Personalized Reading Assessment and Management for Children

- Designed a framework integrating OCR, LLMs (ChatGPT), and Knowledge Graphs for personalized reading assessment
- Processed a dataset of 2,600+ children's books and applied Neo4j for semantic knowledge modeling
- Validated through a longitudinal case study, demonstrating measurable growth in children's knowledge structures

Embedded Systems Design Teaching Assistant
Feb 2024 - Jun 2024
National Central University, Taiwan

- Guided students in lab sessions for an Embedded Systems course.
- Assisted students in debugging code, solving technical issues, and completing hardware/software projects.

More on my personal website: https://hsin0002.github.io/portfolio