Wen-Hsuan, Peng

📍 Taoyuan, Taiwan, 330051   ✉ pengwenhsuan@gmail.com   📞 +886-975-925-137   in Wen-Hsuan Peng ↗

EDUCATION

Uppsala University – Uppsala, Sweden   Sept 2024 – Aug 2025
M.S. in Information and Technology

National Taiwan Normal University – Taipei, Taiwan   Sept 2022 – Aug 2024
M.S. in Computer Science and Information Engineering
- GPA: 4.08/4.3
- Admitted to the **double degree program** with Uppsala University

EXPERIENCE

Research Assistant – Taipei, Taiwan   Jan 2023 – Aug 2024
- Enabled **fine-grained learner feedback** by developing a novel ASA framework with LTTC.
- **Improved recognition accuracy by 9% in a 5-scale classification task** through soft-label training for ordinal classification.
- Published results in **IEEE SLT 2024** as the first author.

Double Degree Exchange – Uppsala University, Sweden   Aug 2024 – Aug 2025
- **Broadened global perspective** by adapting to a new academic and cultural environment.
- **Strengthened teamwork and English presentation skills** through international group projects.

PUBLICATIONS

Enhancing Automatic Speech Assessment Leveraging Heterogeneous Features and Soft Labels for Ordinal classification, IEEE Spoken Language Technology Workshop (SLT 2024)   Dec 2024
Wen-Hsuan Peng, Sally Chen, Berlin Chen

Enhancing Automated English Speaking Assessment for L2 Speakers with BERT and Wav2vec2.0 Fusion, Conference on Computational Linguistics and Speech Processing (ROCLING 2023)   Oct 2023
Wen-Hsuan Peng, Hsin-Wei Wang, Sally Chen, Berlin Chen

PROJECTS

MoodMixer: Beverage Recommendation Bot   Sep 2024 – Jan 2025
- **Developed a real-time chatbot** for beverage recommendations based on users' emotions, using **Furhat, Python, Gemini LLM, and facial sentiment models**.

Sentiment Analysis of Medical Reviews   Jan 2022 - Oct 2022
- Built a sentiment classifier(positive/neutral/negative) with Python and ML models, supporting medical text analytics.

EXTRACURRICULAR ACTIVITIES

Medium Writer   2019 - Now
- Attracted **10k+ monthly views and 550+ followers** by sharing technical articles since 2019.

Language Cafe Volunteer – Okayama, Japan   Apr 2022 – Aug 2022
- Enhanced **cross-cultural communication skills** by leading Mandarin sessions and sharing Taiwanese culture.

Camp Volunteer – Wujie Tribe, Taiwan   Jul 2019
- Promoted **STEM education** by co-organizing a science camp for 30+ students, **assisting with homework and leading hands-on activities** to spark curiosity and show the power of knowledge.

TECHNICAL SKILLS

Technologies:
- **Proficient:** Python, C/C++, Machine Learning Frameworks (PyTorch, Hugging Face, Scikit-learn)
- **Experienced:** C/C++, Java, Django, HTML, CSS

Languages: Mandarin(native); English(TOEIC 930); Japanese(JLPT N2)