

Contact

0905866533 (Mobile)
ccwangtakala@gmail.com

www.linkedin.com/in/takalawang
(LinkedIn)
TakalaWang.github.io (Personal)

Top Skills

Next.js
Full-Stack Development
Machine Learning

Certifications

2023 International Collegiate
Programming Contest (ICPC)
Bronze Medal
2022 National Collegiate
Programming Contest (NCPC)
Excellent Work
2022 International Collegiate
Programming Contest (ICPC)
Bronze Medal
2023 National Collegiate
Programming Contest (NCPC)
Fourth Place

Publications

A Novel Data Augmentation
Approach for Automatic Speaking
Assessment on Opinion Expressions
DEVELOPMENT OF AN ENGLISH
ORAL ASSESSMENT SYSTEM
WITH THE GEPT DATASET
The NTNU ASR System for Formosa
Speech Recognition Challenge 2023

Chung Chun Wang

NYCU Master
Taipei, Taipei City, Taiwan

Summary

Developer and researcher.
Background in software development and applied research,
with experience across web platforms, speech scoring systems,
conversational agents, and medical analytics. Responsible for
end-to-end development — from architecture design and model
integration to cloud deployment — focusing on turning concepts into
real, working systems through code.

Experience

GitRoll
Full Stack Engineer
December 2025 - Present (5 months)
Taiwan
Full stack engineer for web development

國立臺灣師範大學

2 years 10 months

Full Stack Develop Engineer
July 2023 - Present (2 years 10 months)

台灣 臺北市

- Developed an AI-powered voice material editor (SSML + Azure TTS), enabling teachers to generate listening exam audio with custom tone and pacing, cutting manual recording effort by 80%.
- Built a scenario-based English conversation system, used in 10+ interactive sessions to enhance student speaking fluency.
- Created a speaking test platform with Read-Aloud, Picture Description, and Q&A modules, supporting simulated exam runs for 1000+ student readiness training.

Computer Programming Teaching Assistant
July 2023 - June 2025 (2 years)

臺灣 臺北市

- Provided C programming instruction and lab support for 100+ students, focusing on memory model, pointer usage, and debugging strategies.
- Trained students in Linux-based development workflows, covering Linux command-line navigation, GCC/Makefile compilation, and GDB runtime inspection.
- Co-developed an automated grading pipeline capable of handling non-textual test cases (image/document inputs), accelerating grading throughput and improving Python scripting & CI-style test design skills.

宏碁

Research and Development Internship

July 2025 - August 2025 (2 months)

Xizhi District, New Taipei City, Taiwan

- Developed a YOLO-based gait detection and tracking pipeline with 95%+ accuracy on clinical walking video datasets.
- Built an automated AI literature retrieval and analysis pipeline, collecting 100+ medical research papers and summarizing them into a structured database for gait-related model benchmarking.
- Optimized model inference with ONNX Runtime, achieving 3× faster cross-platform deployment on both PC and mobile.

財團法人語言訓練測驗中心 LTTC

Industry Cooperation Research Study Assistant

September 2023 - August 2025 (2 years)

臺灣 臺北市

- Developed and deployed a multimodal speech scoring API for Picture Description and Discussion tasks.
- Integrated image, prompt, and speech inputs using a vision-language large model for end-to-end automatic evaluation.
- Reduced human grading workload by over 50%, enabling scalable assessment across large student cohorts.

中央研究院

Project Backend Develop Engineer

September 2024 - July 2025 (11 months)

臺灣 臺北市

- Developed Hinagiku, an AI-enhanced classroom discussion tool with live speech-to-text and LLM-based semantic analysis.
- Designed backend infrastructure and prompt strateg , deploying Gemini + Firebase services on GCP with horizontal scalability.

Delta Electronics, Inc & National Taiwan Normal University
Industry Cooperation Research Study Assistant
July 2024 - June 2025 (1 year)

臺灣 臺北市

- Developed a RAG-based chatbot using GraphRAG, LightRAG, and semantic indexing, achieving over 80% retrieval accuracy on enterprise knowledge-base queries.
- Researched hybrid semantic query strategies combining vector and knowledge-graph retrieval, evaluating how different indexing methods influence response quality and consistency in knowledge-based Q&A systems.

Education

國立陽明交通大學

Master's degree, Institute of Computer Science and Engineering · (September 2025 - June 2027)

國立臺灣師範大學

Bachelor of Science - BS, 資訊工程學系 · (September 2021 - June 2025)