

# 王勻 (Thomas Wang)

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## Major Projects

### Wang2Meet

[w2m.wang.works](https://w2m.wang.works)

📅 Feb 2024 – Mar 2024

Meeting Scheduling website built with Next.js, Express, MongoDB, Material UI, Firebase authentication and Google Calendar API.

### Verification for Compatibility of Autonomous Lane-Changing Systems

**Cyber-Physical Systems Lab**

📅 Feb 2023 – ongoing 📍 NTU CSIE

Verify the compatibility of intelligent vehicle systems defined by hybrid automata.

## Awards



**Fu Bell Scholarship**

National Taiwan University



**Champion**

2020 National Problem Solving Contest



**Silver Award**

2021 ICPC Asia Taipei Regional



**Presidential Award**

NTU CSIE 110-2, 111-1

## Education

Full-year Exchange Student

**Northwestern University**

📅 Sep 2024 – Jun 2025

Computer Science & Information Engineering

**National Taiwan University**

📅 Aug 2021 – Jun 2025

Class of Science (CKCOS)

**Taipei Municipal Jianguo High School**

📅 Sep 2018 – Jun 2021

## Extracurricular Activities

Athlete

**NTU Golf Team**

📅 Sep 2021 – ongoing

**4th Place in Team Competition** of National Intercollegiate Athletic Games 2023

## Expertise & Related Experiences

### App Development

Front-end | Back-end | Database

**APCSCamp VIP Website** | [apcs.camp/vip](https://apcs.camp/vip)

Full-stack development with **MongoDB, Express and React**. Also integrated with Google Sheets for data visualization.

**Bowling App** | [bowling.wang.works](https://bowling.wang.works)

Designed for **NTU bowling course**, helping students record their scores and providing them learning statistics.

**CSIE council**

Product manager of building a course rating and course material database for CSIE department.

### A.I. Applications

Deep Learning | Algorithms

**Fine-tuning LLM for Solving Competitive Programming Problems**

Fine-tune Codellama and DeepSeek Coder with LoRA. Build data pipeline for code evaluation to further train with reinforcement learning.

**Dance Clout**

Dance move comparison based on **pose estimation model, vector calculation and signal processing**. Algorithms and data pipeline are also deployed to **GCP** as an API service.

## Other Experiences

### Software Engineering Intern

**Google Summer Internship 2024**

📅 Jun 2024 – Sep 2024

📍 NTC-TPKE

- Developed commit checker on Gerrit code review platform to maintain least privilege principle for SELinux-related projects.

**General Coordinator / Web Developer / Lecturer**

**APCSCamp 2023/2022, NTU Competitive Programming Club**

📅 Mar 2022 – Aug 2023

📍 Online

- Held an online summer camp for programming and algorithms.
- Developed a VIP web app for students' registration and feedback.
- Taught Data Structures to about 100 students in advanced class.

**Co-Founder**

**Dance Clout, Startup**

📅 Jul 2020 – Jun 2022

📍 Taipei, Taiwan

- Joined **AppWorks Accelerator** batch #21 and **2020 Demo Day**.
- Cooperated with **Swipe** in building dance courses with AI teacher.
- Demonstrated AI-scoring system at 2021 Taiwan Creative Content Fest.

**Mail Team Manager**

**Network Administration and System Administration Team**

📅 Jun 2023 – ongoing

📍 NTU CSIE

- Manage mail services & Google Workspace for CSIE department.