

# Po-Chun Wu

Taipei, Taiwan

email: [pcwu2022@gmail.com](mailto:pcwu2022@gmail.com)

website: <https://pcwu2022.github.io/>

---

## Bachelor's Degree • National Taiwan University (NTU)

August 2022 - (January 2026) | Taipei, Taiwan

- Major: Electrical Engineering (NTUEE)
  - Grade Point Average: 4.16/4.3
  - Credit Program: Creativity and Entrepreneurship Program, NTU, September 2024–June 2025
  - Relevant Coursework: Soc Verification, Algorithms, Computer Architecture, Electronic Circuit Design, and Courses on Entrepreneurship
- 

## Skills

- Specialties: Formal verification, system modeling, digital design, software full-stack development
  - Technical: Python, JavaScript, C++, Verilog, MATLAB
  - Soft Skills: Maker innovation, startup leadership
- 

## Research Experience

- Using Formal Verification to Solve Graph Problems  
(Advisor: Prof. Chung-Yang Ric Huang, NTU), April 2025 — June 2025
  - Applied Bounded-Model Checking and other formal methods to solve an NP-Hard variation of the Target-Set Selection problem.
- SAR ADC and PLL design  
(Advisor: Prof. Tai-Cheng Lee, NTU), August 2024 — December 2024
  - Modeled and analyzed SAR ADC architectures in MATLAB, focusing on DNL, INL, and ENOB improvements.
  - Simulated Phase-Locked Loops (PLLs), exploring effects of bandwidth, gain, and phase detector architectures on system behavior.

- Separation and Transfer of Monolayer Molybdenum Disulfide  
(National Synchrotron Radiation Research Center), December 2020 — May 2021
    - Investigated the effects of UV light, heating, and ultrasonic treatment on the yield of monolayer MoS<sub>2</sub>.
    - Developed a novel process that shortened the preparation time of monolayer MoS<sub>2</sub> from two weeks to one hour.
- 

## Work Experience

- Product developer, SLEKMED, August 2023 — February 2025
    - Collaborated with medical students to develop an online medical diagnosis & training platform.
- 

## Awards

- First Place, Silicon Motion Corporate Award, 2025 MakeNTU Competition, May 2025
  - First Place, 2024 CTCI AI Competition, December 2024
  - Best Maker Award, 2024 MakeNTU Competition, May 2024
- 

## Side Projects

- NTU Pair, a matchmaking website with over 1000 users, February 2023
  - Virtual Makerspace, an online replica of the NTUEE Makerspace, August 2023
    - Led a 25-member development team and mentored team members in web programming
- 

## Extracurricular Activities and Volunteer Work

- Founder and President, NTU Learning Optimization Club,  
August 2023 — June 2025
  - Conducted research and experiments on active recall and other learning methods
  - Delivered 5 speeches in high schools and student associations across Taiwan on how to learn effectively
- Lecturer, Academic Department, NTUEE Student Association,  
September 2023 — June 2024
  - Led a core team to organize 25 lectures and speeches in the Student Association
  - Taught maker skills in the NTUEE Camp and on the Open Courseware online
  - Manager of the NTUEE Makerspace