

GuanYI, Chen

Interested in Digital IC Design

Aspiring IC designer with strong execution and rapid learning capabilities. Enthusiastic about integrated circuits, actively seeking research and internship opportunities.

Location: Taiwan, Taipei

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[Gmail](#) [LinkedIn](#) [GitHub](#)

Education

Bachelor of Electrical Engineering, National Taiwan University (NTU) 2025/09 – Ongoing

Related Courses

- Switching Circuit and Logic Design
- Computer Programming

Project

Weighted Sequence Counter & Accumulator Circuit Design, Quartus II 2025/10 – 2025/12

- Design tasks such as a Sequence Counter using **Intel Quartus II**, including Data Registers, Sequence Detectors, and 4-bit Multiplexers.
- Design the block diagram and block symbol for each section, execute the VML file for debugging, and export it as an HDL program file.
- Comprehended and utilized principles of D and T flip-flops, clocks, buffers, and buses

Work Experience

High School Academic Tutor, Taipei & Taichung

2025/07 – 2025/11

- Teach **5** students. Complete teaching Mathematic, Physics, and Chemistry for an entire semester within two months, with students' subject scores improving by an average of over **10** points.
- Design own handouts and teaching progress. Accomplish all Mathematics and Physics worksheets from Grade **10** to **12**.

Skills

Programming Skill: C++, Python(SageMath & Numpy). Github Experience.

IC Design Tool: Quartus II.

Language: English: Toefl 106.

Soft Skill: Adaptive, Ambitious, Communicative.

Extracurricular

Physics Club rural schools volunteer teaching

2023/09 - 2025/07

Chairperson, Education Officer

- Led club instruction and curriculum design as Chairperson.
- Recruited and coordinated 20+ volunteer educators for each teaching session.
- Organized and delivered 4 distinct educational events at rural schools on behalf of my high school.