

Clara Wu

You-Xuan, Wu (吳宥瑄)

Education

(2022 - Present)

National Taiwan University

Department of *Electrical Engineering*

GPA: 3.92/4.30 (last 60)

Rank: 51/202 (112-2)

Research Experiences

(Oct, 2024 - Present)

Using Transformer on Time Series Sinal (Missing Data) Imputation and For Forecasting

Biomedical Lab (M2Lab) of Tzu-Yu, Liu (NTUEE)

(Jul, 2024 - Present)

Pseudorandom Quantum State on Coding Theory (Randomness Extractor with Quantum Side Information & Decoupling)

Lab of Kai-Min, Chung (Academia Sinica)

Lab of Hao-Chung, Cheng (NTUEE)

(2020 - 2022, High school project)

The Impact of Nuclear CTEN Protein on the Wnt Signaling Pathway and Its Regulation of Migration

Lab of Yi-Chun, Liao (Biochemical Science, NTU)

Interests & Skills

CS

Machine Learning

Algorithm

Data Structure

Theoretical Aspects of Cryptography

EE

Quantum Information and Computing

Signal Processing

Robotics

Physics

Quantum Mechanics

Contact

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Languages

- C/C++
- Python
- Pytorch
- JavaScript
- TypeScript
- Golang

Side Projects

Mechanical Design, Embedded Systems

- Smart Pill Box: https://youtu.be/P5eWrK9_n8A?si=Pv19sQhdmrvWTpIL
- Automatic Chessboard: Human-Computer Interaction
<https://drive.google.com/drive/folders/1G4kFws7y7zgp2sqGXTUilcKvzOATkLB5?usp=sharing>
- A Coo-coo Clock
<https://drive.google.com/drive/folders/1cxJHjzdg0l7BcLUK7qagJL-qP-LwArX6?usp=sharing>
- A Automatic Pizza Cutter
https://drive.google.com/drive/folders/1_GLMaEPM-HeFmtMRcOBIXfT9g845vdqO?usp=sharing
- Conveyor Part of a Robot in FRC (Team 6191)

Full-Stack Web Development

Virtual MakerSpace: Online MakerSpace
<https://github.com/NTUEE-VirtualMKS/VMKS-Website>

Extracurricular Activities

Aug, 2023 - Present

NTU Learning Optimization Club

I'm *One of Initiators*.

I'm *Vice Director* for the following year.

2025 MakeNTU

A 24-Hour Maker Hackathon

I'm *One of Event General Coordinators*.