

Chun-Wei, Hsu

CONTACT

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EDUCATION

Universität Hamburg | 2024.9~2025.3

exchange student, Socioeconomics Master's degree

- Relevant Courses: Computational Economics, International Finance and Investment

National Taiwan University | 2022.9~2024.7

Master of Science in Economics

- GPA: 3.9 / 4.3
- Research Field: Macroeconomics
- Relevant Courses: Computational Methods for Econometrics, Data Science and Social Inquiry, Econometric Theory
- Scholarship: 112 Shanghai Commercial and Savings Bank scholarship

National Taiwan University | 2017.9~2022.6

Bachelor of Science in Physics with minor in Economics

- Relevant Courses: Coding for Physics Simulation, Introduction to Numerical Analysis
- Award: 2nd in 2022 DATA IDEATHON competition, 2019 NTU Student Social Contribution Special Award

PROFESSIONAL EXPERIENCE

Data Analyst | 2022.2 ~ 2022.5

FunNow co.

- Assisted Funnow in analyzing the post-pandemic development strategy for food delivery and takeaway services.
- Helped FunNow strike a 30% higher cooperation rate with local food businesses by generating a recommended list of potential partner businesses using random forest and decision tree models.

NTUDAC Club member | 2021.9 ~ 2022.6

NTU Data Analytics Club (NTUDAC)

- Performed data analysis using SQL, Python, and Tableau, and built machine learning models with scikit-learn for real-world datasets.
- Collaborated on industry-sponsored data projects, delivering data-driven insights through analytical workflows.

Summer Internship | 2021.6 – 2021.8

Academia Sinica

Web demo : <https://cosmology.studywithwoody.site/>

- Assist the supervising professor in exploring cosmology packages in Python, such as CAMB.
- Construct a Λ CDM cosmological model and investigate how the abundance of dark matter in the early universe influences baryon acoustic oscillations (BAO) and its imprint on the cosmic microwave background (CMB).

PROJECT

Tutor AI

Developed an digital learning platform that enables parents to monitor students' learning progress in real time, while providing students with a 24/7 AI-powered digital tutor.

#student performance dashboard
#AI-native recommendation system
#online HW assign #24hr AI tutor

website : <https://tutorai.studywithwoody.site/>

Tech blog

My tech blog focused on Vue, Nuxt, Python, and AI, sharing my learning notes during development, and practical web development tips.

#Vue #Nuxt # Python
#AI news #learning notes
#web dev tech tips

website : <https://techblog.studywithwoody.site/>

PhysimHub

Developed an interactive physics simulation website that supports teachers in instruction through real-time web-based interactions.

#Physics Simulation
#Interactive #ThreeJS
#support data export

website : <https://physimhub.studywithwoody.site/>

ADDITIONAL FORMATION

Language: English (TOEFL 93, TOEIC 945)

Technical skills: Python(pandas, numpy, FastAPI, Scikit-learn), Database(MySQL, PostgreSQL), Web (Vue, Nuxt, Typescript, ThreeJS), Deploy(Vercel, Docker, Railway), Visualization(Tableau, matplotlib, PlotJS),

Domain knowledge: data analysis, data visualization, machine learning, economic modeling, statistics, physics