

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

<p>Tutor AI</p> <p>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.</p> <p>#student performance dashboard #AI-native recommendation system #online HW assign #24hr AI tutor</p> <p>website : https://tutorai.studywithwoody.site/</p>	<p>Tech blog</p> <p>My tech blog focused on Vue, Nuxt, Python, and AI, sharing my learning notes during development, and practical web development tips.</p> <p>#Vue #Nuxt # Python #AI news #learning notes #web dev tech tips</p> <p>website : https://techblog.studywithwoody.site/</p>	<p>PhysimHub</p> <p>Developed an interactive physics simulation website that supports teachers in instruction through real-time web-based interactions.</p> <p>#Physics Simulation #Interactive #ThreeJS #support data export</p> <p>website : https://physimhub.studywithwoody.site/</p>
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ADDITIONAL FORMATION

Language: English (TOEFL 93, TOEIC 945)

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

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