

Wan Yin Chen

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Education

National Taiwan University, Bachelor of Laws (LL.B.) Sept 2018 – June 2023

- **GPA:** 3.8/4.3 (157 credits)
- **Relevant Coursework GPA:** 4.11/4.3 (29 credits)
- **Selected Coursework:** Programming for Data Science, Programming and Web Scraping, Computer Programming in Python, Digital Decision Making: Data Visualization and Machine Learning, Text Analysis with Python, Statistical Learning, Calculus (General Mathematics I & II), Seminar on Legal Analytics
- Completed interdisciplinary coursework in Library and Information Science, focusing on data management and information retrieval

National Taiwan Normal University, Non-Degree Academic Coursework Feb 2024 – Dec 2024

- **Coursework:** Data Structures (A+), Object-Oriented Programming (A+), Linear Algebra (B+), Statistics (A+)

Relevant Work Experience

Hsinda Real Estate Brokerage, Kaohsiung, Taiwan Oct 2020 – Present
Founder & CEO

- Designed Python-based predictive pricing models, driving over 60% annual revenue growth for three consecutive years by improving decision-making and operational efficiency through digital transformation

Digital Law Center, NTU, Taipei, Taiwan Mar 2024 — Jul 2024
Research Assistant

- Collected and organized legal data on AI regulations and electronic wills across multiple jurisdictions, including Taiwan and the U.S.
- Prepared materials for international presentations and supported generative AI workshops

Sentencing Trend Prediction System, Judicial Yuan, Taiwan Sept 2020 – June 2021
Project Manager

- Collaborated with legal and technical teams to enhance system reliability and resolve data inconsistencies
- Enhanced sentencing prediction accuracy by 27% through ML integration

Law Office, Taipei, Taiwan Dec 2024 – Present
Lawyer

Research Experience

Undergraduate Research Fellowship, National Science and Technology Council (NSTC), Taiwan Jul 2021 – Feb 2022

Empirical Research on Guardianship Declaration in Taiwan: Focusing on Judicial Considerations for Guardian Selection, Advisor: Prof. Sieh-Chuen Huang

- **Developed machine learning models** (e.g., decision trees, random forests, GBM) to predict court-appointed guardianship decisions, achieving up to 90.9% accuracy and an AUC of 0.9423
- **Analyzed judicial decision-making factors** using multiple regression, hierarchical clustering, and variable importance analysis, providing data-driven recommendations for guardianship policy improvements
- **Utilized text mining and NLP** to process unstructured court rulings and created interpretable visualizations to guide policymakers in refining legal criteria

Selected Awards

Undergraduate Thesis Excellence Award, NTU, Taipei, Taiwan June 2022
An Empirical Study on Adult Guardianship and Appointment of Guardians: Focusing on Best Interests of the Principal

- National Digital Humanities and Big Data Student Competition (Merit Award),** Sept 2020 — Jan 2021
Taiwan
- Built ML models to predict compensation outcomes in marital rights violation cases with real-world applicability
 - Created an user interface to simplify complex legal data, enabling non-expert users to make informed decisions
- National Legal Tech Hackathon (Silver Award - AI Judgment),** Taiwan Jun 2020 — Sept 2020
Team Leader and Recruiter
- Developed an AI-assisted judgment system to assist jury decisions on mental competency in murder cases
 - Applied ML to analyze judicial patterns and designed a user-friendly interface for legal professionals & laypeople
 - Tackled overfitting with pseudo-labeling, collaborating with peers from computer science, psychology, and law
- Taipower Academic Excellence Scholarship,** Taiwan 2018, 2020, 2021

Publications

- Huang, S.-C., & Chen, W.-Y. (2023). An empirical study on the applications for guardianship declarations. *Court Case Times*, 129, 99–110. <https://doi.org/10.53106/207798362023030129009>
- Huang, S.-C., & Chen, W.-Y. (2023). An empirical study on the factors influencing court-appointed guardianship in Taiwan. *Court Case Times*, 136, 104–117. <https://doi.org/10.53106/207798362023100136009>

Selective Course Projects

- Price Comparison Platform (Shopping Website Scraping),** *Programming and Web Scraping*
- Using Python, web scraping, and backend algorithms to rank product prices with coupons
- Defamation Ruling Analysis for Civil Damage Compensation Prediction,** *Text Analysis with Python*
- Analyzed 4,132 defamation rulings using text mining, TF-IDF, and data visualization (e.g., word clouds, dynamic charts) to predict civil damage compensation
- Drunk Driving Fatality Sentencing Analysis,** *Seminar on Legal Analytics & Data Visualization and ML & Statistical Learning*
- Applied MLP, decision trees, and regression models to predict sentencing outcomes based on key factors
 - Optimized models and statistical methods, and improved data visualization with Tableau
- Examination Essay Sample Analysis,** *programming for data science*
- Analyzed exam essay samples with R, extracting linguistic patterns and visualizing preferences

Extracurricular Activities

- Taipei District Court,** Taipei, Taiwan Feb 2022 – June 2022
Judicial Intern & Volunteer
- Assisted the public with simple legal inquiries and provided guidance on navigating legal processes
- Legal Service Society, NTU,** Taipei, Taiwan Sept 2020 – June 2021
Member
- Assisted 100+ individuals with legal challenges and improved access to justice
- Municipal Nei-Hu Vocational High School,** Taipei, Taiwan Sept 2019 – Jan 2021
Instructor
- Mentored disadvantaged students, providing academic support and guidance
- Student Council, National Tainan Girls' Senior High School,** Tainan, Taiwan Sept 2015 – June 2016
President
- Led initiatives to advocate for student rights, including the first school-wide dress code change
 - Organized major events, such as a spring concert with 2,000+ attendees, and improved the council's finances from deficit to surplus

Technologies

Languages: Python, C++, R, SQL, JavaScript

Technologies: Machine Learning, Data Visualization (Tableau), Statistical Analysis, Web Scraping, Text Mining, TF-IDF, HTML/CSS