

# YU-CHEN(ABNER) DEN

 [Personal Website](#)  [LinkedIn](#)  [GitHub](#)

## Education

### National Chengchi University

Sep 2022 – Jun 2024 (Expect)

*MS Money and Banking, majored in Financial Engineering*

Overall GPA: 4.04/4.30

- Teaching Assistant: Graduate Econometrics, Machine Learning
- Relative Courses: Machine Learning, Information Retrieval, Data Structure, Natural Language Processing

### National Chengchi University

Sep 2018 – Jun 2022

*BA Public Finance, majored in Public Finance Management*

Last 60 GPA: 3.50/4.30

- Relative Courses: Mathematical Statistics, Econometrics

## Experience

### AI Team Data Analyst / Data Scientist Intern

Mar 2023 – Present

*iKala Interactive Media Inc.*

- Collaborated with interns to improve the CLI of text annotation tool (Doccano), saving 20% time per execution and 40% time per labeling project. Proactively identified and addressed system inefficiencies to optimize workflow
- Developed ETL pipeline for ongoing data updates, ensuring a current and relevant dataset. Simultaneously, meticulously gathered and curated information from diverse sources to construct a comprehensive dataset
- Pioneered the development of convex optimization algorithm, contributing to a 90% accuracy in selecting high-value KOLs, and took the lead in a highly-quantitative project, showcasing a proactive approach to problem-solving

### Graduate Research Assistant

Oct 2022 – Present

*National Chengchi University*

- Predicted stock data trends from NYSE, AMEX, NASDAQ with Computer Vision Deep Learning model
- Researched in the correlation and causal of complexity and stock price prediction

### Research Consultant Intern

Nov 2022 – Mar 2023

*WorldQuant LLC.*

- Developed and implemented an automation system, reducing manual workload by nearly 30%, showcasing strong collaboration and teamwork
- Delivered 200+ alpha trading strategies with an annual return of 20%, highlighting strong analytical thinking and problem-solving skills

## Academic Societies

### NTU Data Analytics Club

May 2023 – Present

*Director of Academic Affairs*

- Developed a comprehensive teaching and development blueprint, overseeing the design of year-long courses, and workshops focused on various data analytic skills and concepts for nearly 100 members and 20 directors
- Served as a project mentor, applying data analytic techniques to solve real-world business problems for companies. Demonstrated practical skills in translating analytical concepts into actionable solutions and leading experience
- Conducted workshops on Python. Leveraged teaching frameworks to enhance learning experiences, emphasizing not only technical skills but also strategic planning and resource management within the teaching context

## Comptitions

### Housing Price Prediction

Sep 2023 – Nov 2023

*SinoPac Holdings / TrendMicro*

Top 7% of all 972 teams

- Led team development with effective communication, ensuring progress, fostering collaboration, and mentoring to enhance development and modeling skills. Contributed to a cooperative work environment, elevating project quality

### Donation Behavior Prediction

Jul 2023 – Oct 2023

*Institute for Information Industry*

3rd place

- Led modeling efforts in a competition, identifying opportunities for enhancement and guiding team members to deliver impactful business value through effective modeling strategies

## Skills

**Programming:** Python, C++, Shell Script,  $\text{\LaTeX}$

**Data Related & Developing Skills:** SQL, NLP, CV, IR, Git, Linux OS, Vim

**Language:** English(Fluent), Japanese(Elementary)