Yi-Hsuan Kuo

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Education

University of California San Diego, BS in Data Science Sep 2023 – June 2027
- **GPA:** 3.98/4.00
- **Coursework:** Principles of Data Science, Data Structure and Algorithm for Data Science, Theoretical Foundations of Data Science, Linear Algebra, Calculus, Mathematical Statistics, Discrete Math

Skills

- **Programming Languages:** Python, SQL, Java, MATLAB, R
- **Toolkits:** PyTorch, Numpy, Pandas, Sklearn
- **Web Development:** HTML, CSS, JavaScript
- **Languages:** English, Chinese

Experience

Halıcıoğlu Data Science Institute (HDSI) La Jolla, CA
Tutor (Undergraduate TA) Mar 2025 – Present
- Class tutoring: DSC30 - Data Structure and Algorithm for Data Science
- Hold office hours to help students with questions.
- Answer and respond questions on discussion board.
- Assist the instructor with any need to improve or maintain the class.

University of California San Diego La Jolla, CA
Economic Lab Researcher Mar 2025 – Present
- Study about how exposure to pornography can increase or decrease sexual violence.
- Work with PhD students on the research topic.
- Use web scrapping to collect essential data.

Ever Fortune AI Taichung, Taiwan
Artificial Intelligence Intern, Aug 2024 – Sep 2024
- Assisted in developing a clinical-support AI designed to aid doctors in organ delineation for radiotherapy treatment planning
- Trained a human organ classification model with 98% accuracy
- Carry out error analysis project, identified the key buggy feature in training data, and fix the training dataset

Projects

The NBA Akinator Apr 2025
- Build a mind reading game using decision-tree-like logic to narrow down to what NBA player the user is thinking about.
- Tools Used: Python, web-scrapping, Next.js

"Why so Serious?" - A Power Outage Analysis on Level of Duration Time Feb 2025
- Build a random forest classier that classify the level (seriousness) of outage duration base on multiple inputs
- Tools Used: Python, Pandas, Sklearn, Numpy

Club

United Taiwanese Association of UCSD (UTA) La Jolla, CA
Treasurer July 2024 – Present
- Managed and tracked UTA's monetary and physical assets.
- Sought funding sources from both on-campus and off-campus organizations.
- Processed reimbursements for officers for approved expenses on behalf of UTA.

Washington High School Frisbee Team Taichung, Taiwan
Player Jan. 2019 – Jun. 2023
- Best Record: 2nd Place in Taichung, qualified to play in National High School Championships
- Play the role of Deep (Scorer, similar to wide receiver)
- Participate in competition and weekly training