

Wei-Yi(James) Cho

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EDUCATION

University of Illinois at Urbana-Champaign	Expected May 2026
<i>Bachelor of Science in Statistics and Psychology Minor in Computer Science</i>	
<ul style="list-style-type: none">Related Coursework: Data Structure, Time Series Analysis, Machine Learning, Statistical Modeling, Artificial IntelligenceDean's List: Fall 2022, Spring 2023 (Top 20 percent of College of Literature Arts and Science)	

TECHNICAL SKILLS

<ul style="list-style-type: none">Programming Language: Python, R, C++, SQL, Java, PyTorchOther: Docker, Git, Scikit-Learn, Pandas Library, Requests, Celery, RabbitMQ, MySQL, SQLite, GCB, ggplot2, ETL,	
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EXPERIENCE

QuantX	Taiwan
<i>Data Engineer Intern</i>	June 2024 - Present
<ul style="list-style-type: none">Implemented a distributed data scraping solution using RabbitMQ and Celery, enabling scalable and concurrent data scraping from multiple sources efficiency by 40 percentRedesigned and refactored the web crawler architecture for Taiwan companies' financial statementsMigrate over 3GB of financial data to GCP, improving data accessibility and security.	

Quant Illinois	IL, USA
<i>Participants</i>	February 2024 - May 2024
<ul style="list-style-type: none">Use the TA-Lib library and historical transaction data corresponding with the past 180 days' OHLCV data to generate the technical indexDeveloped the QStar model utilizing machine learning algorithms (XGBoost, LGBM) to identify outperforming equities and rebalance the fund allocation within the QuantX portfolio, increasing return by 2.32% and lowering drawdown by 3.72%.	

Academia Sinica (Institute of Statistical Science)	Taipei, Taiwan
<i>Student Research Assistant</i>	December 2023 - January 2024
<ul style="list-style-type: none">Worked with a Master's candidate and analyzed Boosting machine performance with 4 tabular datasetsInterpreted machine learning model with Model agonistic method (SHAP, LIME) and presented it to national researchers weekly	
Intro to CS Honors(CS124)	IL, USA
<i>Project Manager</i>	September 2023 - Present
<ul style="list-style-type: none">Led 4 to 5 students to develop the semester-long project in an Agile environment through weekly sprintCompleted CS project developing code components in Python with related Framework	

Human Memory and Cognition Lab	IL, USA
<i>Research Assistant</i>	August 2023 - May 2024
<ul style="list-style-type: none">Assisted with data collection using Matlab with over 30 participantsSummarized 10+ research papers to assess their compliance with journal standards, focusing on open-source availability and the use of computational methods.	

PROJECTS

Classified User Liked Song	February 2023 - May 2023
<ul style="list-style-type: none">Write Python script that incorporated Spotify API to collect user-liked songImplemented OneVsRestClassifier model with MLP estimator to classify users liked songs based on mood with 70% accuracy	
Quantitative Analysis of TSMC ADR Stock Price and Taiwan Market Changes	August 2024 - Now
<ul style="list-style-type: none">Analyzed the relationship between TSMC ADR stock prices in the U.S. and Taiwanese market fluctuations, using data from over 3 years of historical stock prices and market indices.	

ACTIVITIES & LEADERSHIP

Taiwanese Student Association	IL, USA
<i>Vice President</i>	April 2024 - Present
<ul style="list-style-type: none">Assisted and answered 500+ Taiwanese Students and membersFormulated over 15 mass emails regarding important dates, eventsCo-organized and created events for members to ignite a collective and welcoming culture of Taiwanese Students	
Snowdrop NGO	New Taipei City, Taiwan
<i>Program Director</i>	January 2022 - July 2022
<ul style="list-style-type: none">Collaborated with the Youth counseling center to organize a two-week summer camp for teenagers.Applied psychological concepts to connect closer with participantsWrote Chinese articles related to teenagers and creating Instagram post with Over 1k viewers on Social Media (Instagram)	