

# Chun-I Chien

Preferred Name: Sydney Chien

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## EDUCATION

- **Master of Professional Studies, Information Science** Aug 2024 – May 2025  
*Cornell University, Ithaca, NY, USA*
- **BSc(Hons), Computer Science** Sep 2021 – Jul 2024  
*King's College London, UK*

## EXPERIENCE

- **Seneca Lake Scenic Byway** Sep 2024 – Dec 2024  
*Data Analyst Intern* NY, USA
  - Analyzed user behavior in Google Analytics, increased CTR by **19.67%**
  - Enhanced SEO, improved Top 10 keyword visibility (477 → 489), +200% traffic
  - Reduced bounce rate from **95%** → **92%** by improving landing content
- **DIGISILK Research Team** Jun 2023 – Aug 2023  
*Research Apprentice* Remote (UK)
  - Analyzed cross-border API traffic patterns between China and the West
  - Provided infrastructure recommendations through data trend analysis

## PROJECTS

- **GitHub Technology Trend Tracker – Side Project** Mar 2025
  - Initiated and built an original trend tracking tool to explore how Gen AI can support open-source intelligence.
  - Designed the system to surface emerging GitHub topics across LLMs, AI agents, and developer tools.
  - Built **full-stack** dashboard using **Python**, **DuckDB**, **Streamlit**
  - Integrated **GitHub API** with local caching and delta update mechanism
  - Visualized trends across **LLMs**, **AI Agents**, **Web3**, and Data Science tools
  - Used Gen AI to explore framing, summarization, and prompt generation; all core decisions and architecture were **self-directed**
- **Human-Computer Interaction Design for International Students** Sep 2023 – Dec 2023
  - Designed support tools through extensive user research, persona creation, journey mapping, usability testing.
  - Leveraged **Figma** and **Miro** to prototype and refine design iteratively
  - Conducted **user interviews**, **affinity mapping**, **persona design**, **usability testing**
  - [Miro-UX Research](#); [Figma-Prototype](#)
- **AI-Driven Portfolio Optimization in Taiwan's Stock Market** Oct 2023 – Apr 2024
  - Developed investment model using Monte Carlo simulations + Modern Portfolio Theory
  - Refined 127 stocks to top 20 portfolio, achieving **9.11% return**, **std dev 0.20**
  - Used **covariance matrix regularization** to optimize risk-return
  - Built **stochastic modeling** + **backtesting** framework
- **AHDC Project – Data Analysis Collaboration** Oct 2024 – Dec 2024
  - Analyzed 2019–2023 test data for pricing sensitivity insights.
  - Discovered **58% drop** after **12% price increase**; **Tableau dashboards** for stakeholders
  - Recommended data-driven pricing strategies to balance revenue and demand
- **Yelp Restaurant Review Analysis – NLP Capstone Project** Mar 2025
  - Used NLP to extract sentiment, keyword insights, and user patterns from Yelp reviews.
  - Performed **sentiment classification** with **NLTK**; analyzed elite reviewer bias
  - Extracted behavioral patterns (e.g., weekday shifts, review length trends)
  - Formulated actionable feedback strategies for local businesses

TECHNICAL SKILLS

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- **Programming Languages:** Python, SQL, JavaScript, R, Java, HTML/CSS
- **Data Tools:** Hadoop, MapReduce, Tableau, Google Analytics, WhereScape
- **UX:** Figma, Miro, Usability Testing, Affinity Mapping
- **Platforms:** Git, Jupyter, Unix/Linux, REST APIs
- **Soft Skills:** Storytelling, Collaboration, A/B Testing
- **Languages:** English (Fluent), Chinese (Native), Japanese (Basic)

AFFILIATIONS

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- **KCL Taiwanese Society, Head of Marketing** *Sep 2021 – May 2022*  
Led promotional campaigns, managed social strategy and engagement

ADDITIONAL INFORMATION

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- **IRB Training Certification:** Completed in 2024