

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
- **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

- **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

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

ADDITIONAL INFORMATION

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