

Chen-Wei “Krystin” Lee

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SKILL SETS

- **Artificial Intelligence (AI):** LLM fine-tune, AI Agent, Prompt Engineering, API, (un)supervised Machine Learning
- **Programming:** Python (Pandas, NumPy, Matplotlib), SQL, R, C++, HTML, Collaborative Coding
- **Data Analytics & Visualization:** Tableau, Power BI, Business Analysis, Business Intelligence, Data Mining
- **Databases:** MySQL, PostgreSQL, SQL Server, IBM DB2, MS Access, NoSQL (MongoDB, Neo4J), Data Formats (JSON, XML)
- **Big Data:** Microsoft Azure, Google Cloud Platform (GCP), AWS, Hadoop, Hive, Pig, PySpark
- **System Analysis & ERP:** SDLC, DFD, ERD, CRUD, Feasibility Analysis, SAP MRP/ERP, PLM Systems, [Alteryx](#), HubSpot CRM
- **Project/Program Management:** Agile/Scrum, Jira, Waterfall, MS Teams, MS Planner, Stakeholder Communication & Negotiation

WORK EXPERIENCE

University of Maryland – Robert H. Smith School of Business

College Park, MD, USA

Graduate Teaching Assistant – Database Management Systems (graduate level course)

January 2025 – Present

- Facilitated learning for **90+ students** by grading **500+** assignments and exams, applying **analytical skills** to ensure academic support.
- Delivered instruction in **SQL**, **database design**, and normalization, strengthening technical foundations for advanced analytics.

Allentown School District | via Education Pioneers Fellowship Program

Allentown, PA, USA

Data Analyst – Summer Impact Fellow

June 2025 – August 2025

- **Saved 800+ annual hours and \$30K+ in costs** by delivering **digital transformation** in the talent acquisition process across **25 schools** and **1,000+ active positions**.
- Engineered a **centralized database** and **data pipeline**, fixing inconsistent manual spreadsheets and delayed system exports by integrating Skyward system in Google Sheets using **JavaScript (Google Apps Script)** with automated **data cleaning** and synchronization.
- Built interactive **Power BI dashboards** for recruitment pipelines, vacancy trends, and DEI metrics, providing **real-time** insights.

Wistron Corporation | Top 5 Global Personal Computer ODM

Taipei, Taiwan

Laptop Product Manager – New Product Introduction (NPI), (March 2022 – March 2023)

November 2018 – March 2023

- **Saved \$100k in production costs** working with **15+ cross-functional teams** on both hardware and software, optimizing prototype requirements with **cloud-based PMCS**.
- Aligned project schedule and ensured scope for **300+ stakeholders** across global engineering teams, factories, suppliers, and clients, launching new Lenovo laptop model **3 months** ahead of schedule to align with consumer peak shopping season before competitors.

Laptop Project Manager, (November 2018 – March 2022)

- **Reduced inventory costs by 20% (\$60K+)** through **SAP MRP** and **PMCS** data analysis and component reuse/resell strategies.
- Shortened procurement lead time by **22 months** during chip shortage through daily logistics data monitoring and vendor coordination.
- Automated configuration and material shortage reporting with **Excel VBA**, improving crisis response and data-driven decision-making.
- **Managed CTO BOMs** in **Windchill PLM** with **Excel VBA** and **Macro** tools to ensure accuracy in production and global logistics.

LiteOn Technology | Global Fortune 500 Electronics Manufacturer

Guangzhou, China

MES-WMS System Analyst / Industrial Engineer Intern

July 2017 – September 2017

- Optimized accuracy for **\$100K+** in inventory across **7 warehouses**, automating data flow between **MES-WMS systems**, among the minimum packaging quantity from suppliers, warehouses, and production lines by applying **SQL** and **Excel** for inventory data analysis.
- Reduced production costs for Lexmark enterprise MFP by improving system interoperability through **human factors engineering**.

PROJECT EXPERIENCE

AI-Powered Course Scheduling and Resource Optimization System | Practicum Project

January 2025 – Present

- Led the software development lifecycle, generating DFDs, ERDs, and CRUD Matrices to define system requirements and architecture.
- Designed and implemented **MySQL** database for the **AI** scheduling model, ensuring data integrity and accuracy for 100+ courses.
- Improved **40% efficiency** in resource allocation through **full-stack AI solution** using **Python** to integrate **OR-Tools** and **LLM API**.

AI + CRM Optimization Project

November 2024 – April 2025

- Established a **HubSpot CRM database** to record B2C and B2B customers, combining **Python** to **simulate customer lifetime value**.
- Designed **AI chatbot** for instant engagement, including AI sentiment analysis agent of customer reviews and automated order gathering.

EDUCATION

University of Maryland, Robert H. Smith School of Business

College Park, MD, USA

Master of Science in Information Systems, with *Terrapin Scholar Honor*

August 2024 – December 2025

National Cheng Kung University, Bachelor of Management Science in Industrial and Information Management

Taiwan

CERTIFICATIONS

- **PwC** – [Power BI Certification](#) (Job Simulation Project)
- **AWS** – AWSome Day Online Conference Certificate
- **IBM Certified Data Scientist:** [Machine Learning](#), [Data Visualization](#), [Data Analysis](#) with Python
- **Dell Certified** Original Design Manufacturer (ODM) Business Process Controller
- **NASBA** [Tableau](#), [Statistics](#) & [Probability](#) Certifications (National Association of State Boards of Accountancy)