

PAUL CHEN

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PROFILE

Management consultant with 2+ years of experience in data science, retail, manufacturing, AI, and optimization

- **Core Skills:** Python, MySQL, Excel VBA, Power BI, Alteryx, R, HTML/CSS, TensorFlow
- **Technical Competencies:** Generative AI, Large Language Model, Deep Learning, Natural Language Processing, Machine Learning, Model Validation, Time Series, Project Management, Data Visualization, Prescriptive Analytics (Mix-integer Programming), Predictive Analytics, Storytelling with Data

PROFESSIONAL EXPERIENCE

AT Kearney – Kearney Analytics

Chicago, IL

Management Consultant

Jul 2022 – Present

- Designed, developed, and owned a generative AI solution for a leading multinational IT company, reducing data-driven decision-making time for C-Suite executives by over 90%
- Pioneered 2 generative AI PoCs in the procurement space, enhancing spend categorization and contract metadata extraction efficiency by 70%
- Led the analytic workstream in a 4-wall assessment project for a leading outdoor retailer and built a master dataset, delivering high-quality analyses in baseline, labor models, cost-to-serve models, and internal/external benchmarks
- Conducted E2E supply chain diagnosis for a leading manufacturing company, resulting in savings of \$2M annually

SIL International – Capstone (Linguistic NGO Affiliated with United Nations)

West Lafayette, IN

Data Scientist Intern

Jan 2022 – May 2022

- Reduced monetary cost and training time for a translation model by scripting an algorithm to optimize training datasets and provide a clear strategy for selecting semantic domains (translation content) via Python
- Devised a novel approach for translating rare languages, previously reliant on human translation

Shoetown Group (Shoe Manufacturer for Nike)

Qingyuan, China

Data Analyst (Co-op)

Feb 2019 – Feb 2020

- Automated inventory system, cutting manual data entry time by 3600%, using Excel VBA
- Implemented a machine performance system to enable the company to monitor 3D printer running times

Research Team Lead for Assembly-Line Problem

- Led a team of 5 people in defining an optimization problem by coordinating with stakeholders, assigning tasks, setting timelines for deliverables, and presenting to professors with an oral defense
- Provided C-Suite executives with an optimized model for workstation layout computable within 1 minute to minimize assembly costs by using robust optimization models in Python and Gurobi

EDUCATION

Purdue University, Krannert School of Management

West Lafayette, IN

Masters of Science in Business Analytics (STEM)

May 2022

- Academic Honors | Merit Scholarship Recipient

National Cheng Kung University

Tainan, Taiwan

Bachelor's in Industrial and Information Management

Jun 2020

AWARDS

2022 Kaggle Crossroads Classic Datathon (Team Leader)

- Integrated multiple data sources to create an ensemble model (SVC + XGBoost) with a 98.53% AUC score
- Won 3rd place from a pool of 47 teams in the Kaggle leaderboard

STAMINA Analytics Case Competition (Team Leader)

- Pitched an analysis for finding ideal piloting locations and potential revenue streams for a drone start-up
- Won 3rd place out of 50+ teams

SAS Optimization Challenge – Water Usage Contract (Team Leader)

- Constructed a nonlinear optimization model to determine which water contracts a corporation should adopt
- Won 1st place out of 16 graduate division teams

ADDITIONAL

- Volunteer Work: Suit up
- Language: English (Bilingual Proficiency), Chinese (Native)
- Interests: Cooking Enthusiast, Board Game Lover, Traveler, Meme Sharer
- Certification: HackerRank SQL (Advanced), Alteryx Foundational, Sustainable Supply Chain Management, 2023 Kearney Sustainability Scholar