

# PAUL CHEN

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## PROFILE

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

- **Programming Languages:** Python, MySQL, Excel VBA, Tableau, R, Power BI, HTML/CSS, TensorFlow
- **Skills:** 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

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### 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

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### 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

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### 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 3<sup>rd</sup> 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 3<sup>rd</sup> 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 1<sup>st</sup> place out of 16 graduate division teams

## ADDITIONAL

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- 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

