

# PAUL CHEN

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## PROFILE

Data scientist with 3+ years of experience in management consulting, retail, manufacturing, AI/GenAI, 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

### CVS Health

Jersey City, NJ

#### *Sr Decision Scientist*

May 2024 – Present

- Led end-to-end development and productionization of a GenAI chatbot to simplify dashboard insights for non-technical users, enabling natural language queries to return actionable insights. Designed the UI, optimized prompt engineering, conducted UAT, and piloted the solution
- Saved 60% of manual effort by developing and managing the productionization of a GenAI solution to extract patient records and auto-populate prior authorization forms. Led engineers, IT, and business stakeholders to ensure seamless implementation and efficiency gains
- Achieved \$1M+ in annual savings by leading benefit verification analytics. Delivered ad-hoc analyses, identified new opportunities for data-driven decisions, and provided actionable insights to optimize business performance

### AT Kearney – Kearney Data & Analytics Practice

Chicago, IL

#### *Sr Management Consultant*

Jul 2022 – May 2024

- 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

## 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