PAUL CHEN

463-210-6665 | paul46186@gmail.com | linkedin.com/in/paiweichen/ | paul46186.github.io/portfolio/

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
- Boosted team productivity and reduced management time by building a GenAI chatbot that converts natural language queries into SQL and returns insights to users, streamlining performance engagement processes
- Saved 60% of manual effort by developing a GenAI engine to extract patient records and auto-populate prior authorization forms, overseeing the productionization process in collaboration with engineers, IT, and business stakeholders
- Enhanced decision-making by leading benefit verification analytics, delivering ad-hoc analyses, and uncovering new data-driven opportunities to drive actionable business insights

AT Kearney – Kearney Analytics Chicago, IL
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