

Justin A. Gould

(248) 877-0751 • Gouldju1@gmail.com • LinkedIn.com/in/gouldju1

EXPERIENCE

Director, AI & Data Engineering, Alvarez & Marsal

08/2023-Present

- Tripled contract revenue by leading an AI Engineering team to build proprietary OCR models for an energy distributor—streamlining FEMA reimbursements with a 90% time reduction and \$60M in projected payouts
- Data Architect of proprietary healthcare directory audit simulation software for US federal compliance, enabling 2 payors achieve an average 15% improvement in federal audit performance
- IT Transformation Lead for major IT turnaround effort for a home-based healthcare client, managing a 15-person IT team to modernize Data Warehouse and Lake, implement data governance, and deploy production Patient 360—realizing over \$5M in value
- General Architect of a Pharma/AI Technical Agent, LLM Chatbot, using LangChain and CREWAI, leading a team of Software Engineers and Data Scientists to integrate in client's website
- Provide situational coaching and mentorship to managers and junior leaders

Manager, Data Science, Capgemini

09/2021-08/2023

- Managed team of 15 Data Engineers and Full Stack Engineers to migrate legacy .NET ASP application from AWS to Azure for CPG client's GPT-based product copywriting platform
- Engagement Manager for account with a disruptor in the leisure and hospitality sector, tripling annual contract from \$5M to \$15M, leading a team of 12+ US- and India-based Data Scientists
- Sales & Engagement Pipeline Lead for generative AI client work, winning 3 projects valued at \$12M
- Lead Engineer for architected hierarchical CNN to detect and root cause EV battery manufacturing defects using Keras, TensorFlow and Python 92% F1; sold contract to battery supplier for \$45M
- Data Architect for CPG client database modernization, leading a team of 3 Data Engineers to migrate 20 TB of data from 30+ country databases from SQL Server on EC2 to Azure SQL
- Deployed containerized Change Data Capture for Postgres using Kafka to ensure data reliability between Dev, Stage, and Prod data environments

Senior Data Scientist, Purdue University

12/2020-09/2021

- Managed team of 12 consultants to fine-tune Named Entity Recognition model (28% lift in F1) and deploy (REST) via Databricks MLflow for engine end of life prediction for U.S. engine manufacturer
- Served as Solutions Architect to identify Data Science needs for 8+ prospective clients and orchestrate product delivery/integration—leading to over \$550,000 in corporate contract funding

AI/ML Scientist & Product Owner, Ford Motor Company

01/2019-12/2020

- Product Owner for connected vehicle data governance tool; managed product team of 7 Software Engineers and Product Designers to productionize and evangelize tool, onboarding 50+ engineers
- Created route prediction algorithm using PySpark to interpolate trips from 10M+ customer key-on/-off events, generating a multi-million-dollar investment to productionize; ~90% accurate
- Replicated and enhanced Text-to-SQL model, resulting in Ford invention disclosure, and deployed REST API to Kubernetes (K8s); ~91% accurate; selected as keynote for Ford Global Data Conference
- Developed and deployed Information Retrieval service for Open Domain Q&A to K8s, 98% accurate

EDUCATION

Michigan State University, East Lansing, MI

Master of Science in Business Analytics

Bachelor of Arts in English, Graduated with Honors

ADDITIONAL INFORMATION

- **Programming:** Python, R, SQL, PostgreSQL, Scala, SAS, CSS, HTML, React, Terraform, C#, .NET
- **Tools:** PyTorch, TensorFlow, Spark, Docker, Kubernetes, Azure, AWS, GCP, ArcGIS, LangChain, MCP
- **Awards:** 2022 Capgemini US "Over the Top" Award for client excellence and exceeding expectations
- **Certifications:** Agile Project Management, Purdue University Global, Issued May 2021