

Justin A. Gould

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EXPERIENCE

Technical Leader, AI Engineering, Eli Lilly & Company 2025-Present

- Led 20 engineers to deliver and rebuild AI capital auditing platform via event-driven AWS architecture, resulting in \$1M+ saved, human-in-the-loop agents, 100+ users, 5x document throughput, legacy supported in parallel
- End-to-end AI Architect and lead developer for a patient-facing multi-agent platform with LangGraph orchestration, AWS EKS/ECR, full stack ownership from DB to deployment
- Built and lead a 10-person AI engineering practice across 5+ business units and establishing Lilly's first ML Engineer technical track and role; provided situational coaching and mentorship to managers and junior leaders

Director, AI & Data Engineering, Alvarez & Marsal 2023-2025

- 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 a home-based healthcare client, leading a 15-person team to modernize Data Warehouse, implement governance, and deploy Patient 360, realizing \$5M in value

Manager, Data Science, Capgemini 2021-2023

- 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
- 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

Senior Data Scientist, Purdue University 2020-2021

- 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 \$500,000 in corporate contract funding

AI/ML Scientist & Product Owner, Ford Motor Company 2019-2020

- 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

EDUCATION

Micghigan 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 (2021); Azure AI Fundamentals (2025)