Glen A. Ferguson Great Neck, NY (812) 322-1530 glen@ferguson76.com linkedin.com/in/glenferguson

PROFESSIONAL SUMMARY

Accomplished and experienced AI-leader with a background in healthcare, finance, and SaaS specializing in the entire end-to-end scope of AI including machine learning, data engineering, AI strategy, AI Deployment, scientific computational modeling, and NLP including LLMs. The experience is built from over 15 years of scientific modeling with papers and presentations at national meetings and AI experience at startups and large companies. With Director-level experience with both the startup world at the senior-most data science leader and at one of the world's largest contract research organizations (CROs), providing customized analytical solutions for leading pharmaceutical companies and biotech. Adept at solving complex business challenges by leveraging strong critical thinking skills, collaborating with domain leaders, and ensuring quality deployment of models. These include presentations to customers, internally, and across domains. A trusted business partner with a demonstrated commitment to continuous learning driven by adding exceptional value.

PROFESSIONAL E X P E R I E N C E

FirstParty, Director of Data Science and AI 2025 – Present

Develop the AI capabilities to perform financial analysis of data and improve the data overall, i.e., enrichment, cleaning, categorization, etc. Leading all of the AI-efforts at FirstParty and significantly contributing to development.

• Leading the effort to establish software and data best practices across the organization.
• Designing and building the SDK used for financial backtesting of data.

Syneos Health, Associate Director of Data Science 2023 – 2025

Direct the Data Science function within the CRO's Advanced Analytics Center of Excellence in delivering customized data solutions for large pharmaceutical companies and biotech. Leading modeling, data visualization, proof of concept, assurance of value for the end-to-end data and model pipelines, and executive presentations, translating complex data into compelling messaging for senior leaders. Manage and develop a growing team of AI Engineers.

• Driving ongoing efforts to rapidly scale the Advanced Analytics COE, more than double headcount, expand technological capabilities, and increase opportunities by ~300%.
• Overseeing analysis of AI-prediction of study finish times to identify risk and find opportunities for delivery improvement, including partnering with other teams to bolster clinical recruitment & enrollment efforts.
• Using machine learning and AI tools, including LLMs, to produce data-driven insights to inform strategic business development and strategy alignment.
• Developing Agentic workflow using OpenAI LLMs to improve the automation of multiple systems that have complex and ambiguous workflows with the goal of increasing throughput by 200%.

Huckleberry Labs, Director of Artificial Intelligence & Machine Learning 2021 - 2023

Tapped to build a long-standing, sustainable Artificial Intelligence/ML system from the ground up and establish a new AI practice as part of the company.

Notable highlights include:

• Designed and oversaw implementation of best-in-class ML and data engineering systems that are cost-optimized, extensible, flexible, and scalable. System scaled to 400,000 requests per day with a total capacity per day of millions of requests for the flagship product increasing customer retention by over 40%.
• Designed MLOps systems including CI/CD and Infrastructure as a Code that changed the organizations direction across engineering as a whole and enabled 2x development velocity.
• Built and developed a high-performing AI & ML team, ensuring the program was positioned to help the business scale to 5x model customer predictions without loser of quality, latency or accuracy; facilitated impactful collaborations with other groups.
• Conceptualized and launched the roadmap and strategy for the AI & ML portfolio to improve customer retention by 40% and establish an AI division at Huckleberry Labs
•Built a system to ensure rapid and quality customer-driven search of the entire huckleberry Labs child sleep knowledge base

Curate Insights, Principal Data Scientist 2021

Provided advisory services and developed robust client relationships, leading to client expansion and retention for Curate Insights to drive data science initiatives.

• Directed the efforts to expand services from 1 to 3 offerings by leading the strategy for the AI portfolio.

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• Led an initiative to develop and deploy a cloud-based solution for a client to recommend health plans, leading to a scalable model the client could leverage, promoting tailored AI to support their needs. Used to establish a data science division for the client.

Unioncrate, Lead Data Scientist/Senior Data Scientist 2020 - 2021
Hired into the organization as a Senior Data Scientist and was quickly promoted to a Lead role.
Built and led a high-performing team providing the organization with expertise across data engineering, MLOps, and research and development (R&D)
• Created a vision for the team and cascading goals to drive and improve reproducibility and design of the data science and data engineering platforms leading to a massive reduction in cost.
• Reduced incorrect predictions by 5x through developing a time-series clustering to determine prediction types that allowed for the development of tailored algorithms for predictions.
• Decreased the times for demand planning predictions decreases from 2 days to 2 hours in cases by serving as lead architect, developer, and strategist on an initiative to create a scalable cloud-native internal AI pipeline, and lead architect and strategist of the data engineering system.

Caserta Concepts (Now Part of McKinsey & Co.), Data Scientist/AI Engineer 2019 - 2020
Developed strong client relationships in a consultative role to help drive transformational initiatives.
• Collaborated with a client in the fitness industry to build a production recommendation system for fitness data using machine learning to create real-time class recommendation predictions.
• Drove and implanted a production-grade extensible cloud-based web automation system for one of the largest charter school systems, allowing the client to gain access to multiple inaccessible datasets, and leading to vast changes in data availability to drive business change. This system resulted int eh realignment of the data engineering group and new hires at the organization.

Albert Einstein College of Medicine, Data Scientist/Instructor of Medicine 2018 - 2019
Provided course instruction to physicians on data science topics, including oversight of hands-on projects based upon lessons within the coursework. Drove strategic initiatives for the hospital through impacts of the data science projects completed.
• Partnered with Radiology dept. to develop a computer vision system to classify medical images for detection of ARDS.
• Developed an automated diagnosis tool with deep learning for Natural Language Processing (NLP) that used free-text radiology reports, transforming how doctors received patient results with just-in-time notification
• Spearheaded a major operations project focused on predictive modeling to optimize hospital operations for multiple areas, including reducing the rate of missed appointments. Operations instituted a goal of decreasing physician downtime in the department of medicine by 60% due to strategies implemented based on crucial data findings.

The Michael J. Fox Foundation for Parkinson's Research, Assoc. Director 2017 - 2018
Managed $5M in grant funding for data science and digital health programs with a systematic strategy for the data science and digital health initiatives focused on identifying markers for disease progression.

National Renewable Energy Lab., Engineer III, Postdoctoral Appointment 2013 - 2016
Led a team of engineers on a mission-critical project and provided support for the ARPA-E grant. Developed statistical methods to model effects of 30K+ candidate materials while supporting the discovery of new batteries for industrial and consumer applications in support of the ARPA-E grant.

Argonne National Laboratory
University of Chicago, LLC, Scientist III, Postdoctoral Appointment 2010 - 2013
Joined the lab to model components, implement new modeling methods, and design materials prediction methods for programs focused on transforming technology. Initiated and designed materials prediction methods

MILITARY EXPERIENCE
U.S. Navy, Electrician's
Mate Petty Officer 2nd Class (E5) 1994 - 1999

EDUCATION
Marist College, B.S. in Chemistry and Biology
• Minor: Mathematics • GPA: 3.7/4.0
Indiana University, Ph.D. in Physical Chemistry
• Minor: Scientific Computing • GPA: 3.8/4.0