Graham Alexander Noblit, Ph.D.

747-466-0574 · GrahamNoblit@pm.me · www.linkedin.com/in/graham-noblit/

Strategic AI leader who translates state-of-the-art research into robust, high-impact solutions. Expertise spanning the full data science lifecycle, econometric modeling to architecting and deploying complex ML/AI systems. A proven leader and mentor, adept at interfacing with stakeholders and enabling teams across the organization to leverage AI effectively.

SKILLS

Engineering:	Python, R, Julia, SQL, Linux, Git, Docker, Kubernetes, MLOps, Cloud Computing (AWS, Azure)
Domain:	Machine Learning; Artificial Intelligence; Generative AI, Transformers, & Large Language Models; Natural Language Processing; Econometrics, Regression, & Statistical Inference; Causal Inference & Experimental Design (A/B Testing); Optimization; Data Visualization

PROFESSIONAL EXPERIENCE

Electronic Arts   Los Angeles, CA
Senior AI Data Scientist & Manager   February 2025 – Present

- Manages and mentors a specialized ML/AI pod, providing full-cycle leadership including technical direction, career development, and performance management for direct reports.
- Spearheads the creation of a novel diffusion model to enable a first-of-its-kind player customization feature, replacing a computationally infeasible render farm to drive player engagement.
- Architects and co-develops a developer support agent (Graph RAG), designed to accelerate onboarding and scale development on unified live services platform, directly supporting monetization across game portfolio
- Directs project management for game's multi-modal search model enhancing user-generated content discovery for a flagship title (>50 million lifetime users); directing improvements of model for expanded organization-wide usage.
- Provides cross-functional AI leadership by directing a team member's development of an AI game agent for automated debugging and reducing developer work time.

Children's Hospital: Los Angeles   Los Angeles, CA
Senior Data Scientist, Team Lead   September 2023 – February 2025

- Led a data science team, defining project road-maps and mentoring skill development with advanced ML/AI training
- Achieved 35% improvement in clinical note classification by designing and implementing LLM/GenAI pipelines (information extraction, self-supervised training, semantic-search/RAG, & chain-of-thought fine-tuning)
- Revitalized genomics ML pipeline by identifying and correcting critical errors, strategically redefining project scope and data collection methodologies (Bayesian mixture models, clustering, and hypothesis testing)
- Reduced experiment costs 10% by implementing machine learning & Bayesian regression to salvage datasets
- Presented cutting-edge LLM/GenAI applications to 100+ key stakeholders (administrators, researchers, clinicians), delivering the speaker series' highest-rated talk

Schwartz Reisman Inst. for Technology & Society; Vector Inst. for Artificial Intelligence   Toronto, ON
Research Scientist   September 2022 – September 2023

- Developed game-theoretic models/simulations explaining cooperative behavior in multi-agent reinforcement learning
- Provided econometric and statistical consultation for data-collection for study of opinion expression
- Organized and curated a multi-disciplinary AI conference (100+ attendees) by leading a 15-person planning committee; mentored Ph.D. student on research and presentation skills

Independent Research Consultant   August 2019 – September 2023

- **DeepMind** (AI): Co-designed multi-agent reinforcement learning algorithm for domain-general cooperative-tasks
- **University of Chicago**: Spatial dataset creation & statistical analysis (mixed/spatial models) for Tier-1 publications
- **Rare** (global nonprofit): Devised research/data collection for Amazon fishery sustainability & behavioral change

EDUCATION

Harvard University, Ph.D. in Human Evolutionary Biology, Cambridge, MA   May 2022
University of Texas at Austin, B.A. in Anthropology, Minor in Mathematics, Austin, TX   May 2012