

TM

Thomas Moore

Latex

CONTACT INFORMATION



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EDUCATION

M.S. Computer Science, Brown University, 2019

B.Tech Electrical Engineering, IIT Madras, 2017

KEY SKILLS

- Python
- PyTorch
- JAX
- C++
- SQL
- Kubernetes
- Airflow
- gRPC
- Triton Inference Server
- LaTeX (article, beamer, IEEEtran)
- Feast
- Git

ABOUT ME

Machine learning engineer with 6 years building production NLP and recommendation systems. Comfortable moving from research prototypes in PyTorch to gRPC services running on Kubernetes. Co-author on two NeurIPS workshop papers.

PROFESSIONAL EXPERIENCE

SENIOR MACHINE LEARNING ENGINEER | LUMENFIELD AI, CAMBRIDGE, MA
2022 - PRESENT

- Trained transformer reranker that lifted search click-through from 4.1% to 7.3% across 18M monthly queries.
- Cut inference latency at p95 from 240ms to 88ms by quantizing to INT8 and batching with Triton.
- Owned feature store migration from Redis to Feast, eliminating 14 hours/week of pipeline babysitting.
- Mentored 3 junior engineers; two now lead their own model launches.

MACHINE LEARNING ENGINEER | HARTWELL DATA SYSTEMS, PROVIDENCE, RI
2019 - 2022

- Built churn model (XGBoost, 87 features) that retained \$4.2M ARR in its first year.
- Replaced nightly Spark job with Airflow DAG, dropping data freshness from 26h to under 3h.
- Wrote internal LaTeX paper template adopted by the 40-person research org.