

Rumi Alexander Allbert

(914) 734-5336 · New York, NY

rumiallbert@gmail.com · linkedin.com/in/rumi-allbert · github.com/RumiAllbert · rumiallbert.com

SUMMARY

Senior AI Engineer and Data Scientist with expertise in large language models (LLMs), scalable ML infrastructure, and explainable AI. Proven ability to lead AI initiatives from research to deployment across academia and industry. Passionate about the intersection of humanistic inquiry and technical innovation, with ongoing research in multilingual NLP, neural interpretability, and model customization.

EDUCATION

M.A. Humanities, Ralston College

B.S. Data Science - Cum Laude, Fei Tian College Middletown

Awards: First Place Hackathon Champion, Academic Excellence Scholar, Dean's List (All Semesters)

SKILLS

- **AI & Machine Learning:** LLM Fine-Tuning, Neural Network Design, Generative AI, Explainable AI
- **Programming Languages:** Python, R, JavaScript, Go
- **Frameworks & Tools:** PyTorch, TensorFlow, LangChain, smolagents, unsloth, HuggingFace, Scikit-learn, FastAPI, PyCaret, NLTK, SpaCy
- **Cloud & MLOps:** AWS, Azure, Google Cloud, Docker, Kubernetes, Kafka, Redis, MLflow, ONNX
- **Data Engineering:** MySQL, PostgreSQL, NoSQL (MongoDB), Hive, Hadoop, PySpark, Dask, ETL
- **Visualization:** Tableau, Apache Superset, Matplotlib, Plotly, Grafana, Seaborn, Mathematica
- **Languages:** English, Spanish, Mandarin Chinese, Italian, Latin, Ancient Greek

PROFESSIONAL EXPERIENCE

AI Engineer

Stealth

May 2024 - Present

New York, NY

- Led architecture and deployment of custom LLMs in production, achieving a 40% improvement in cross-domain language understanding.
- Spearheaded AI recommendation platform utilizing GPU parallelism, improving accuracy by 30%, reducing inference latency by 50%, and optimizing resource allocation for cost savings.
- Architected enterprise-grade AI infrastructure with PyTorch, Kafka, and Redis, boosting real-time analytics throughput by 45% and enabling seamless AI integration.

Affiliate Researcher

Wolfram Institute

July 2024 - Present

Remote

- Designed framework for LLM personality manipulation via activation engineering, enabling 30% more customizable responses without retraining.
- Pioneered cross-lingual transformer model, achieving 92% accuracy in philosophical concept alignment and establishing new multilingual NLP methodologies.
- Developed PyTorch-based neural activation visualization system, enhancing model interpretability and enabling targeted interventions.

Adjunct Professor of AI Ethics

Fei Tian College

January 2025 - Present

Remote

- Authored AI ethics curriculum, enabling students to apply responsible AI principles in industry projects.
- Led interdisciplinary discussions on AI's societal impact, inspiring students to pursue ethical AI innovations.

Lead Data Scientist

The Epoch Times

January 2022 - February 2024

New York, NY

- Orchestrated predictive analytics initiative that reduced subscriber churn by 20% using advanced statistical modeling.
- Engineered Python/Hive ETL pipelines, accelerating data processing by 25% and enabling real-time decision-making.
- Deployed BERT-based NLP models that increased content engagement by 15% and informed strategies for revenue growth.
- Developed Apache Superset dashboards, reducing C-suite decision-making time by 20%.

Data Analytics Research Lead

UD Social Neuroscience Lab

October 2021 - December 2022

Delaware

- Optimized PsychoPy data processing pipeline, reducing analysis time by 30% and allowing faster research results.
- Managed data collection for participants, increasing research efficiency by 25%.

Data Scientist - Intern Lead

Litespeed Technologies

May 2021 - November 2021

Middletown, NY

- Led intern team to deliver C-level insights via dashboards, driving business decisions.
- Architected PySpark data mining solutions, achieving 200% efficiency gain and 50% faster execution.

Data Analytics Fellow

NASA

August 2019 - June 2020

Middletown, NY

- Led geospatial and time-series analyses for NASA-UN initiatives, shaping project decisions with USGS visualizations.
- Developed predictive models using satellite data, improving monitoring accuracy by 25%.

RESEARCH & PROJECTS

- Etymon.ai** (Feb 2025 - Present): Built AI-powered platform decoding classical language etymology, achieving 90% accuracy and engaging 1,000+ users.
- LLM Abliterator** (Jun 2024 - Mar 2025): Developed open-source toolkit for LLM personality manipulation.
- Students For Falun Gong** (CTO & Executive Director, Sep 2019 - Present): Drove technical and marketing strategy for multilingual platform, growing engagement by 65%.

PUBLICATIONS & CERTIFICATIONS

Publications	Certifications
<ul style="list-style-type: none">PhiloBERTA: A Transformer-Based Cross-Lingual Analysis of Greek and Latin Lexicons. arXiv · 2025Identifying and Manipulating Personality Traits in LLMs Through Activation Engineering. arXiv · 2024	<ul style="list-style-type: none">Neural Networks & Deep LearningAI AgentsDatabase Structures & ManagementAdvanced Google Analytics