Rumi Alexander Allbert

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Experience

Affiliate Researcher
July 2024 – Present
Wolfram Institute - Remote

- Authored *Identifying and Manipulating Personality Traits in LLMs*, advancing research in mechanistic interpretability and activation engineering.
- Led research on personality trait manipulation in LLMs, developing novel activation engineering techniques for controlled model behavior.
- Created neural activation visualization tools to decode complex model decision pathways.

Adjunct Professor
January 2025 – Present
Fei Tian College - Remote

- Teach foundational ethics and philosophy in computer science, focusing on AI governance, privacy rights, and emerging tech challenges
- Design curriculum bridging theoretical frameworks with real-world case studies in data ethics and responsible innovation.

AI Engineer
May. 2024 – Present
Stealth - New York, NY

- Architected custom LLMs achieving 40% improvement in language understanding across domains.
- Built AI recommendation platform driving 30% accuracy gains through advanced ML techniques.

Data Scientist
Jan. 2022 – Feb. 2024
The Epoch Times - New York, NY

- Developed predictive models that reduced subscriber churn by 20% using advanced statistical methods.
- Built scalable Python/Hive data pipelines, boosting operational efficiency by 25%.
- Implemented BERT and custom NLP models to extract actionable insights from unstructured content.
- Launched real-time analytics dashboard for C-suite strategic decision-making.

Data Analytics Research Assistant
Dec. 2021 – Dec. 2022
UD Social Neuroscience Lab - Delaware

- Drove research outcomes through complex statistical analysis in Python.
- Optimized PsychoPy data pipeline, reducing processing time by 30%.

Data Scientist
May 2021 – Nov. 2021
Litespeed Technologies - Intern - Middletown, NY

- Led intern data mining team and presented key findings directly to VP & CEO through executive dashboards.
- Engineered high-performance data mining scripts, achieving 200% efficiency improvement and 50% faster execution
- Implemented distributed computing for real-time analysis across multiple data streams.

Data Analytics Alumni
Aug. 2019 – June 2020
NASA - Middletown, NY

- Led geospatial analysis and time series forecasting for NASA-UN projects, creating actionable USGS visualizations that informed decisions.

Education

Fei Tian College Middletown
B.S. Data Science • *Cum Laude*
Awards:
- First Place Hackathon Champion
- Academic Excellence Recipient

Ralston College
M.A. Humanities

National Taiwan Normal University
Mandarin Chinese

Publications

2024 • Preprint
Identifying and Manipulating Personality Traits in LLMs ([arxiv](#))

Skills

Programming & Tools:

- Python
- MySQL
- PySpark
- Docker
- Tableau
- Hive
- R
- Go
- Git
- AWS
- Hadoop
- MongoDB
- Apache Superset
- Mathematica

Frameworks:
- Machine Learning & AI
  - Huggingface
  - Scikit-learn
  - Tensorflow
  - PyTorch
  - PyCaret
  - NLTK
  - SpaCy
  - Genism

Languages
- English
- Spanish
- Chinese
- Latin
- Greek
- Ancient Greek

Certificates
- Neural Networks & Deep Learning
- Database Structures & Management
- Advanced Google Analytics
- Version Control
- R for Finance

Organizations
- **CTO -** Students for Falun Gong
- **Member** - Latinx in AI