Rumi Alexander Allbert

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Experience

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

- Architected and implemented cutting-edge Large Language Models, resulting in a 40% improvement in natural language understanding across multiple domains.
- Pioneered an AI recommendation evaluation platform, leveraging advanced ML techniques to boost recommendation accuracy by 30%.

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

- Spearheaded the development of predictive models using advanced statistical techniques, resulting in a 20% reduction in subscriber churn.
- Engineered scalable data pipelines using Python and Hive, increasing operational efficiency by 25% and enhancing data integrity.
- Implemented state-of-the-art NLP models, including BERT and custom clustering algorithms, to extract actionable insights from unstructured data.
- Designed and deployed an automated reporting system, providing real-time analytics to C-level executives and informing strategic decisions.

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

- Conducted complex statistical analyses using Python, uncovering key insights that shaped the direction of multiple research projects.
- Developed and optimized a suite of Python scripts for PsychoPy, accelerating the data analysis pipeline by 30% and eliminating processing bottlenecks.

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

- Developed data-driven reports for the VP & CEO, highlighting key findings from extensive data mining efforts.
- Engineered high-performance data mining scripts, achieving a 200% improvement in processing efficiency and a 50% reduction in execution time.
- Implemented distributed computing solutions for big data algorithms, enabling real-time analysis of 5+ company data streams.

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

- Applied advanced data science techniques to real-world projects, including time series forecasting and geospatial analysis.
- Created user-friendly data visualizations and accessible USGS geospatial maps under the mentorship of NASA, the United Nations, USGS, and other organizations.

Full-Stack Developer & Assistant Creative Director   Jan. 2020 – June 2020
The Werking Title Gallery - San Diego, CA

- Architected and implemented a responsive web platform, driving a 20% increase in user engagement and online visibility.

Education

Ralston College
M.A. Humanities

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

National Taiwan Normal University
Mandarin Chinese

Skills

Programming & Tools:

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

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

Languages

- English
- Spanish
- Greek
- Ancient Greek
- Mandarin Chinese

Certificates

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

Organizations

- Wolfram Institute - Researcher
- CTO - Students for Falun Gong
- Member - Latinx in AI