

WEI YANG

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SUMMARY

A technical powerhouse with data processing, data analyzing, and data modeling experience
A strategic thought leader who excels in fast-paced environments while under pressure to deliver results
An innovative pioneer who effectively bridges information gaps within business processes and organizations

EXPERIENCE

PiSrc, New York, NY

Full-Stack Software Engineer

02/2022 - Present

- Led a team to develop an enterprise RAG (Retriever-Augmented Generation) AI chatbot with Azure OpenAI
- Designed and developed Machine Learning data pipelines for batch processing and modeling of user web interactions, driving personalized experiences and user classification
- Built a recommendation system delivering customized products and website experiences
- Integrated MuleSoft APIs to facilitate seamless delta update ingestion from CRM system into Lucidworks Solr
- Tailored AEM components for questionnaire, including category support and comprehensive reporting
- Optimized Akamai caching update logic to enhance the efficiency and accuracy of content delivery on AEM

Stevens Institute of Technology, Hoboken, NJ

Research Assistant/Teaching Assistant

06/2020 - 12/2021

- Cleaned and structured 94,581 earnings call transcripts to analyze 96 linguistic factors influencing stock returns
- Achieved 72% accuracy on text classification with domain-adapted BERT language model using Pytorch
- Conducted text analysis, sentiment analysis, and text mining utilizing NLP techniques with SpaCy and NLTK
- Set up and managed a remote GPU environment on Ubuntu for machine learning and deep learning tasks
- Developed tutorials on implementing deep learning models with relevant Python packages

SKILLS

Programming Languages: Python, Java, JavaScript, Shell Script, SQL

Database Management Tools: PostgreSQL, MySQL, Microsoft SQL Server, MongoDB, Elasticsearch, Apache Solr

Technology: Adobe Experience Manager, Git, MuleSoft, Linux, Docker, Azure Cloud, AWS, Jupyter Notebook

Python Packages: Pandas, NumPy, Scikit-learn, Pytorch, Transformers

EDUCATION

Stevens Institute of Technology, Hoboken, NJ

08/2019 - 12/2021

Master of Science in Data Science, GPA: 3.8/4.0

Relevant Coursework: Database Management Systems, Web Programming, Web Mining, Advanced Optimization Methods, Statistical Inference, Advanced Machine Learning, Deep Learning, Natural Language Processing

Scholarship: Provost's Scholarship, 2019

Guangzhou University, Guangzhou, China

09/2014 - 05/2018

Bachelor of Science in Mathematics

Awards: Second prize (out of 25,558 teams) in National Mathematical Modeling Contest, 2015