

Contact

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(LinkedIn)

Top Skills

AI Software Development

TensorFlow

PyTorch

Zibin Guan

Data Scientist | AI Instructor

Edison, New Jersey, United States

Summary

To secure a position in the field of Data Science with an interest in new technology and AI

Experience

Zhibin AI

Founder & AI Consultant

March 2023 - April 2025 (2 years 2 months)

Guangzhou, Guangdong, China

- o Designed and led AI Systems Thinking workshops for 100+ students and professionals (ages 6–60+) across education, HR, and e-commerce, using GPT-4, DeepSeek, Qwen, and No-Code tools.
- o Built multilingual AI assistants and job fit scoring systems for HR clients, automating resume screening, compensation analysis, and feedback summarization.
- o Fine-tuned math question generation models to deliver adaptive learning content; deployed retrieval-augmented pipelines using Chroma, LangChain, and prompt engineering.
- o Developed and deployed FastAPI-based backend services, integrated with dashboards, reducing content ops cost by 30%.
- o Scaled AI education studio from 0 to 3 locations; transformed innovation into a revenue-generating product.

HSBC

Data Engineer

September 2022 - February 2023 (6 months)

Guangzhou, Guangdong, China

Building a data pipeline for Intraday balance and End of day balance
Investigating the google cloud platform for the banking system
Analyzing and tracking Indian data uncertainty

IEEE

Data Scientist

August 2020 - January 2022 (1 year 6 months)

Piscataway, New Jersey, United States

Developed and designed the largest knowledge graph that has ever been created in the stem world by using Neo4J (Label Property graph)

- Build a data pipeline and analysis for 1TB of the IEEE Data Lake by using AWS Technology (S3, Lambda, EC2, Redshift, and Tableau)
- Analyzing Microsoft Academic Graph data. Topic included: Citation Cartel Detection; Collaborator and Peer Reviewer Recommendation system; Two Hops Cited Paper
- Collaborated with university students (CMU, UCLA, Brown) on a granular technical level to make sure the work they are doing is beneficial to IEEE.
- Created a Semi-Automated pipeline that takes in the 1800+ Author's CVs in PDF or Word format and outputs a profile where entities such as Title and Journal name is properly organized in an Excel sheet

Trilogy Education

Teaching Assistant

August 2019 - February 2020 (7 months)

New Jersey, US

- Training and helping the professionals and graduate students in the latest Data Science technologies and tools
- Assisting instructor during class time and making sure all the new technologies and class materials are working perfectly
- Giving feedback and analyzing the class materials for the instructional team
- Main technologies: Python, Javascript, Git, APIs, SQL, Postgres, MongoDB, ETL, Web Scraping, HTML, CSS, Bootstrap, D3, R, Tableau, Machine Learning, Big Data, Hadoop, Excel, VBA

JPMorgan Chase & Co.

Software Engineer and Data Engineer

November 2018 - April 2019 (6 months)

Jersey City, US

- Build and designed the webpage to retrieve data efficiently
- Build the automatic DNS control applications for firm-wide users
- Analyzing GBs of server data to detect the unusual spent and to reduce the cost for the following year
- Assisting co-worker for application structure and database problem
- Using python, Hadoop, bash and Java angular majorly

YAI

VIRTUAL REALITY DEVELOPER

February 2018 - May 2018 (4 months)

Greater New York City Area

Creating, developing, and implementing VR experiences with a focus on desensitization for persons with intellectual and developmental disabilities

- Cooperating with Premier HealthCare Clinic and implementing VR for persons with disabilities to create an easier experience to visit the doctor
- Incorporating Google Expeditions that uses VR-hardware to bring major destinations to life for people with disabilities
- Avoiding possible sicknesses for people with disabilities

H Mart

Business Development Sales

August 2017 - February 2018 (7 months)

Edison

Education

New Jersey Institute of Technology

Master's degree, Data Science · (2018 - 2019)

New Jersey Institute of Technology

Bachelor's degree, Information Technology · (2015 - 2018)