

Contact

www.linkedin.com/in/zhihuai-jason-zhu-1490a511 (LinkedIn)

Top Skills

MLOps

Artificial Intelligence (AI)

Spectroscopy

Languages

English (Full Professional)

Chinese (Native or Bilingual)

Honors-Awards

Four-Year University of BC Graduate Fellowship

University of BC Graduate Fellowship

Faculty of Science Graduate Award
Graduate Entrance Scholarship

First Prize in Undergraduate
Mathematical Contest in Modeling,
Jiangsu Province, China

Publications

<http://scholar.google.com/citations?user=GTdfccAAAAJ&hl=en>

Zhihuai (Jason) Zhu

Principal Machine Learning Scientist at Amazon Web Services
New York City Metropolitan Area

Summary

Machine learning leader specialized in business transformation and machine learning operationalization. Extensive management consulting experience in senior executive engagements. Proven team leader with first-hand experience in leading end-to-end scalable machine learning system design, development and implementation.

Experience

Amazon Web Services (AWS)

4 years 3 months

Principal Data Scientist & Machine Learning Scientist

September 2022 - Present (8 months)

New York, United States

Lead technology innovation to scale the global AI/ML consultancy business in areas of MLOps, natural language services, knowledge management, and predictive analytics etc.

Sr. Data Scientist & Machine Learning Scientist

February 2019 - September 2022 (3 years 8 months)

New York, United States

Led machine learning application building for enterprise customers from ideation to production in domains of natural language understanding, knowledge management, fraud detection, recommender systems, and predictive modeling.

Examples of machine learning systems I built and launched:

- Launched a regulatory compliance deep learning application in the pharmaceutical industry
- Launched a news product with natural language search and recommendation system for a leading News Media company
- Launched a global fraud detection system in the telecom industry

Examples of blog posts and white papers I published on machine learning and quantum computing are in the following media links.

IBM

3 years 8 months

Senior Managing Strategy Consultant

October 2018 - January 2019 (4 months)

Armonk, New York

Managed a team of strategy consultants and data scientists to transform IBM finance, sales and compliance programs using data analytics and machine learning solutions.

Managing Strategy Consultant

September 2016 - September 2018 (2 years 1 month)

Greater New York City Area

- Managed a team of consultants, data scientists, and data engineers to design, develop, and implement statistical and machine learning systems to streamline worldwide business processes and improve profitability.
- Managed stakeholder/senior executives engagement to initiate new sales strategies and transform business models with artificial intelligent systems.

Senior Strategy Consultant, Data Scientist

June 2015 - August 2016 (1 year 3 months)

Greater New York City Area

- Provide strategic advices for senior executives in risk management and compliance by developing artificial intelligence solutions.
- Design and develop machine learning based intelligent solutions to improve IBM operational productivity.
- Lead a team of software engineers to implement real-time data analytical solutions for worldwide business.

Harvard University

Postdoctoral Research Fellow

September 2013 - June 2015 (1 year 10 months)

Nano-scale imaging of quantum materials using scanning tunneling microscopy technique.

- Designed material-based experiments and modeling approaches to achieve the realization of robust quantum bits for fault-tolerant quantum computing.
- Conducted research on imaging atoms and multi-dimensional data processing in Python.
- Wrote grant proposals and project reports.

Education

The University of British Columbia
PhD, Condensed Matter Physics

Harvard University
Postdoctoral Fellow, Physics

Nanjing University
Bachelor, Physics