Amy (Hongyu) Zhang

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SUMMARY

Innovative Machine Learning and AI specialist have expert in LLMs, RAG frameworks, and Web3 technology. Skill in deploy decentralized application and leverage deep learning, NLP, and data analytics for scalable AI solution. Experience in integrate blockchain and smart contract to optimize operation. Commit to advance AI research and Web3 integrate to drive technology transform.

TECHNICAL SKILLS

Programming Languages: Python, C++, SQL, MATLAB

Deep Learning Frameworks: TensorFlow, PyTorch, Keras, Caffe

Libraries & Tools: NumPy, Pandas, Scikit-learn, OpenCV, NLTK, Git, Docker

EXPERIENCE

Generative AI Research Intern Sep 2023 - Apr 2024
Microsoft *Seattle, WA*
- Conducted research on reinforcement learning algorithms for robotics
- Implemented and evaluated deep RL models using PyTorch and RLlib
- Presented findings at weekly research meetings

ML Engineer Intern - Vision Pro Jan 2023 – Apr 2023
Apple *Cupertino, CA*
- Conducted research on reinforcement learning algorithms for robotics
- Implemented and evaluated deep RL models using PyTorch and RLlib
- Presented findings at weekly research meetings

AI Research Intern May 2022 – Aug 2022
DeepMind *London, UK*
- Conducted research on reinforcement learning algorithms for robotics
- Implemented and evaluated deep RL models using PyTorch and RLlib
- Presented findings at weekly research meetings

Machine Learning Intern Sep 2021 – Dec 2021
OpenAI *San Francisco, CA*
- Contributed to the development and optimization of neural network architectures for GPT-4, focusing on multimodal integration of text, image, and video
- Enhanced the model's capabilities in natural language processing and computer vision by improving algorithm efficiency, resulting in a 20% reduction in inference time
- Analyzed and visualized large datasets (over 10 million data points) to extract meaningful patterns, driving significant improvements in model performance

EDUCATION

Stanford University Stanford, CA
M.S. in Computer Science, Artificial Intelligence *Aug 2019 – May 2021*
The High School Affiliated to Renmin University of China Beijing, China
  Sep 2017 - June 2020

CERTIFICATIONS

- AWS Certified Machine Learning - Specialty
- TensorFlow Developer Certificate