Alex Webb

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Summary

Passionate AI/ML engineer with a strong background in deep learning, computer vision, and natural language processing. Skilled in Python, TensorFlow, PyTorch, and various ML libraries. Excellent problem-solving, research, and collaboration abilities. Seeking a challenging role to develop cutting-edge AI solutions.

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

Projects

Image Captioning System Jan 2023 – Present
Deep Learning Project *Python, TensorFlow, OpenCV*

- Developed an end-to-end system for generating descriptive captions for images
- Utilized CNN and LSTM models for image feature extraction and caption generation
- Achieved state-of-the-art performance on the COCO dataset

Sentiment Analysis API Aug 2022 – Dec 2022
Natural Language Processing *Python, Flask, NLTK, Hugging Face*

- Built a RESTful API for sentiment analysis of text data
- Implemented pre-trained transformer models using Hugging Face
- Deployed the API on a cloud platform for easy integration

Experience

AI Research Intern June 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 Engineer Jan 2021 – May 2022
Acme AI Solutions *San Francisco, CA*

- Developed and deployed machine learning models for various industries
- Optimized model performance and ensured data quality
- Collaborated with cross-functional teams to deliver AI solutions

Education

Stanford University Stanford, CA
M.S. in Computer Science, Artificial Intelligence *Aug 2019 – May 2021*

University of California, Berkeley Berkeley, CA
B.S. in Electrical Engineering and Computer Science *Aug 2015 – May 2019*

Certifications

- AWS Certified Machine Learning - Specialty
- TensorFlow Developer Certificate