

# Alex Webb

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## SUMMARY

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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

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

**Deep Learning Frameworks:** TensorFlow, PyTorch, Keras, Caffe

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

## PROJECTS

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### Image Captioning System

*Deep Learning Project*

Jan 2023 – Present  
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

*Natural Language Processing*

Aug 2022 – Dec 2022  
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

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### AI Research Intern

*DeepMind*

June 2022 – Aug 2022  
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

*Acme AI Solutions*

Jan 2021 – May 2022  
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

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### Stanford University

*M.S. in Computer Science, Artificial Intelligence*

Stanford, CA  
Aug 2019 – May 2021

### University of California, Berkeley

*B.S. in Electrical Engineering and Computer Science*

Berkeley, CA  
Aug 2015 – May 2019

## CERTIFICATIONS

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- AWS Certified Machine Learning - Specialty
- TensorFlow Developer Certificate