Dr. Amanda Foster

Research Scientist

Email: amanda.foster@email.com

Location: Cambridge, MA

Experience: 8 years

Professional Summary

AI research scientist with 8 years experience in computer vision and natural language processing. PhD in Computer Science with focus on deep learning applications.

Professional Experience

Principal Research Scientist | AI Research Institute | 2021 - Present

- Published 15 peer-reviewed papers on computer vision and NLP, cited 500+ times in academic literature

- Built state-of-the-art image recognition model achieving top-3 accuracy on ImageNet benchmark

- Led research team of 6 PhD students and postdocs investigating multimodal AI systems

Research Scientist | Tech Giant Research Lab | 2018 - 2021

- Developed novel neural network architecture for language understanding, open-sourced for research community

- Shipped research prototype to production, serving millions of users with real-time image analysis

- Collaborated with engineering teams to transfer research innovations into commercial products

Postdoctoral Researcher | MIT CSAIL | 2016 - 2018

- Conducted fundamental research in deep learning and computer vision

- Won "Best Paper Award" at Computer Vision and Pattern Recognition (CVPR) conference

Technical Skills

- **AI/ML:** 10+ years Python, 8 years Machine Learning, 6 years Deep Learning, 5 years Computer Vision, 4 years Natural Language Processing

- **Frameworks:** 3 years TensorFlow, 2 years PyTorch
- **Research:** 8 years Research methodology and publication

Selected Publications

1. "Multimodal Attention Networks for Visual Question Answering" - CVPR 2023
2. "Self-Supervised Learning for Image Classification" - NeurIPS 2022
3. "Transformer Architectures for Computer Vision" - ICLR 2021

Education

Ph.D. Computer Science | MIT | 2016
M.S. Computer Science | Stanford University | 2012
B.S. Computer Science | Caltech | 2010