Alex Jordan

Experience

PhD Research Assistant
Massachusetts Institute of Technology
Sep 2021 – Present
Cambridge, MA, USA

- Develop novel deep learning architectures for computer vision applications in autonomous systems
- Published 6 first-author papers in top-tier conferences (CVPR, ICCV, NeurIPS)
- Collaborated with industry partners including Tesla and Waymo on real-world deployment
- Mentored 4 undergraduate researchers and 2 Master's students on computer vision projects

Research Intern
Google Research
Jun 2023 – Sep 2023
Mountain View, CA, USA

- Worked on large-scale vision transformer architectures for image understanding
- Developed efficient training techniques reducing compute requirements by 30%
- Contributed to open-source codebase with over 1000 GitHub stars

Machine Learning Engineer
VisionTech AI
Jan 2020 – Aug 2021
San Francisco, CA, USA

- Built production ML pipelines processing 10M+ images daily
- Led team of 3 engineers developing real-time object detection systems
- Improved model accuracy by 15% while reducing latency by 40%

Education

Ph.D. in artificial intelligence
Massachusetts Institute of Technology
Sep 2021 – Present
Cambridge, MA, USA

- Research focus: reinforcement learning, multi-agent systems, and robotics

M.Sc. in computer science
Stanford University
Sep 2018 – Jun 2020
Stanford, CA, USA

- Graduated with distinction, GPA 4.0/4.0; top 2% of class

B.Sc. in computer science and engineering
University of Oxford
Oct 2015 – Jun 2018
Oxford, UK

- Final grade: First-Class Honours

Skills

Programming	Python, C++, Java, JavaScript, Go
ML/AI Frameworks	PyTorch, TensorFlow, JAX, Hugging Face, OpenCV
Tools & Platforms	Docker, Kubernetes, AWS, Git, Linux

Databases PostgreSQL, MongoDB, Redis, Elasticsearch

Publications

A. Jordan, M. Rodriguez, D. Kim, S. Chen (2024). "Efficient Vision Transformers for Real-Time Object Detection". *Conference on Computer Vision and Pattern Recognition (CVPR)*.

A. Jordan, J. Liu, M. Zhang (2024). "Adversarial Robustness in Deep Neural Networks: A Geometric Perspective". *International Conference on Computer Vision (ICCV)*.

A. Jordan, R. Wilson, L. Thompson (2023). "Self-Supervised Learning for Visual Representation in Autonomous Systems". *Neural Information Processing Systems (NeurIPS)*.