Boston, MA, USA
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alexjordan.github.io

Alex Jordan

Experience

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

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

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

Publications

A. Jordan et al. (2024). "Efficient Vision Transformers for Real-Time Object Detection". *Conference on Computer Vision and Pattern Recognition (CVPR)*.

A. Jordan et al. (2024). "Adversarial Robustness in Deep Neural Networks: A Geometric Perspective". *International Conference on Computer Vision (ICCV)*.

A. Jordan et al. (2023). "Self-Supervised Learning for Visual Representation in Autonomous Systems". *Neural Information Processing Systems (NeurIPS)*.

E. Davis et al. (2023). "Federated Learning Approaches for Privacy-Preserving Computer Vision". *International Conference on Machine Learning (ICML)*.

A. Jordan, K. Lee (2022). "Automated Neural Architecture Search for Edge Computing Devices". *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*.

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

Awards & Scholarships

Outstanding Graduate Student Award, MIT Department of Electrical Engineering and Computer Science – Recognizing exceptional research contributions in computer vision and machine learning — 2024

Best Paper Award, Conference on Computer Vision and Pattern Recognition (CVPR) – For 'Efficient Vision Transformers for Real-Time Object Detection' — 2024

Google PhD Fellowship, Google Research – Full funding for PhD research in machine learning and computer vision — 2022

NSF Graduate Research Fellowship, National Science Foundation – Three-year fellowship supporting graduate study in computer science — 2021

Phi Beta Kappa, University of California, Berkeley – Honor society recognizing academic excellence — 2018