

Alex Jordan

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| EXPERIENCE | PhD Research Assistant | SEP 2021 – PRESENT |
| | MASSACHUSETTS INSTITUTE OF TECHNOLOGY | Cambridge, MA, USA |
| | <ul style="list-style-type: none">• 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 | JUN 2023 – SEP 2023 |
| | GOOGLE RESEARCH | Mountain View, CA, USA |
| | <ul style="list-style-type: none">• 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 | JAN 2020 – AUG 2021 |
| | VISIONTECH AI | San Francisco, CA, USA |
| | <ul style="list-style-type: none">• 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% | |
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| EDUCATION | Ph.D. in artificial intelligence | SEP 2021 – PRESENT |
| | MASSACHUSETTS INSTITUTE OF TECHNOLOGY | Cambridge, MA, USA |
| | <ul style="list-style-type: none">• Research focus: reinforcement learning, multi-agent systems, and robotics | |
| | M.Sc. in computer science | SEP 2018 – JUN 2020 |
| | STANFORD UNIVERSITY | Stanford, CA, USA |
| | <ul style="list-style-type: none">• Graduated with distinction, GPA 4.0/4.0; top 2% of class | |
| | B.Sc. in computer science and engineering | OCT 2015 – JUN 2018 |
| | UNIVERSITY OF OXFORD | Oxford, UK |
| | <ul style="list-style-type: none">• Final grade: First-Class Honours | |
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| PUBLICATIONS | A. Jordan et al. (2024). “Efficient Vision Transformers for Real-Time Object Detection”. <i>Conference on Computer Vision and Pattern Recognition (CVPR)</i> . | |
| | A. Jordan et al. (2024). “Adversarial Robustness in Deep Neural Networks: A Geometric Perspective”. <i>International Conference on Computer Vision (ICCV)</i> . | |

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

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

A. Jordan et al. (2022). “Multimodal Fusion Techniques for Robust Scene Understanding”. *European Conference on Computer Vision (ECCV)*.

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| 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 | |
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| AWARDS & SCHOLARSHIPS | <i>Outstanding Graduate Student Award</i> , MIT Department of Electrical Engineering and Computer Science – Recognizing exceptional research contributions in computer vision and machine learning | | 2024 |
| | <i>Best Paper Award</i> , Conference on Computer Vision and Pattern Recognition (CVPR) – For 'Efficient Vision Transformers for Real-Time Object Detection' | | 2024 |
| | <i>Google PhD Fellowship</i> , Google Research – Full funding for PhD research in machine learning and computer vision | | 2022 |
| | <i>NSF Graduate Research Fellowship</i> , National Science Foundation – Three-year fellowship supporting graduate study in computer science | | 2021 |
| | <i>Phi Beta Kappa</i> , University of California, Berkeley – Honor society recognizing academic excellence | | 2018 |