Jared Darlington

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Website: jareddarlington.github.io

Education

University of Washington, Seattle — June 2027 (expected)
Paul G. Allen School of Computer Science & Engineering
B.S. in Computer Science with Honors (GPA: 3.89/4.00)

Research Interests

3D Perception & Generation, Robotics, Multimodal Models

Publications

[1] **BLIP-3D: Fully Open Recipe for Unified 3D Generation**
Weikai Huang, An Yan, Luyu Yang, Jieyu Zhang, Ziqi Ma, Hongqiao Chen, **Jared Darlington**, Bohao Chen, Chenhao Zheng, Letian Zhang, Sijun Li, Georgia Gkioxari, Zhongzheng Ren, Silvio Savarese, Ranjay Krishna, Zeyuan Chen, Ran Xu
In preparation

[2] **Reflex: Visually Grounded Reactive Humanoid Control**
Taoyang Jia, Weikai Huang, Linxin Song, **Jared Darlington**, Jieyu Zhao, Yue Wang, Jiafei Duan, Zhongzheng Ren, Ranjay Krishna
Preprint 2026 [PDF]

[3] **Does My Embedding Reflect That $A = B$? Evaluating Mathematical Equivalence in Embedding Models**
Jiaying Ye, Samarth Rao, Leo Carlin, Kedar Chintalapati, Saharsh Bhargava, Rachit Jaiswal, Michael Zhou, **Jared Darlington**, Jiahe Lu, Jarod Alper, Vasily Ilin, Henry Kvinge
AI4Math @ ICML 2026; MATH-AI @ NeurIPS 2026 [PDF]

Posters & Presentations

[1] **Math2Vec: Developing Embedding Models Capable of Capturing Mathematical Meaning**
Jiaying Ye, Samarth Rao, Leo Carlin, Kedar Chintalapati, Saharsh Bhargava, Rachit Jaiswal, Michael Zhou, **Jared Darlington**, Jiahe Lu, Jarod Alper, Vasily Ilin, Henry Kvinge
University of Washington Undergraduate Research Symposium, May 2026 [PDF]

[2] **Quantifying Cognitive Processes in Motor Learning Using Natural Language Processing**
Jared Darlington, Victoria Pierce, Marios Tringides, Leo Scholl, Amy Orsborn
Shenoy Undergraduate Research Fellowship in Neuroscience Symposium, April 2026 [PDF]

Projects

ManiFlow: Differential Geometry Visualizer
Real-time visualizer for geometric flows on 3D objects. [GitHub]

Honors & Activities

Shenoy Undergraduate Research Fellowship in Neuroscience — Sept 2025 – Aug 2026
Founder, **Machine Learning Reading Program** — March 2026 – Sept 2026
Member, **Neuroscience Undergraduate Reading Program** — March 2025 – June 2025

Coursework

Graduate: Machine Learning (CSE 546), Advanced Machine Learning (CSE 599S), Deep Reinforcement Learning (CSE 579), Social Reinforcement Learning (CSE 599J)

Undergraduate: Computer Vision (CSE 455), Natural Language Processing (CSE 447)

Skills

Programming Languages: Python, Java, C++

Libraries: PyTorch, Transformers, Accelerate, FlashAttention, PEFT, DeepSpeed, verl, vLLM

Tools: Git, Bash, Unix/Linux, Slurm, LaTeX

Languages: English (Native), Chinese (Beginner)