

Adam Rashid

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EDUCATION

Massachusetts Institute of Technology

PhD Electrical Engineering and Computer Science

GPA: 5.0/5.0

(Est) May 2029

Advised by Phillip Isola

- Honors: **National Science Foundation Graduate Research Fellowship**

Advised by Angjoo Kanazawa and Ken Goldberg

December 2022 - Aug 2024

University of California Berkeley

GPA: 3.96/4.0

B.S. Electrical Engineering and Computer Science

August 2020 – December 2022

- Relevant Coursework: Data Structures, Efficient Algorithms, Discrete Mathematics, Probability Theory, Optimization Models in Engineering, Machine Learning, Probability and Random Processes, Robotics, Reinforcement Learning
- Honors: **Regents' and Chancellor's Merit Scholarship** (Top 2% of applicants), Elk's Most Valuable Student Scholarship

EXPERIENCE

Microsoft

Seattle, WA

Machine Learning Engineer

Feb 2024 – August 2024

- Trained models for anomaly detection

Microsoft

Seattle, WA

Machine Learning Intern

May 2023 – August 2023

- Designed and implemented a robust framework for fine-tuning Large Language Models (LLMs), such as GPT-4, using dynamic enterprise data, ensuring 100% accurate information retrieval through semantic search techniques

Microsoft

Seattle, WA

Software Engineering Intern

May 2022 – August 2022

- Implemented logging features to increase number of logged requests by 60% leveraging C# and the .Net Framework
- Created an automated alert and ticketing system to ensure quick response times and reduce costly downtime by 20%

UC Berkeley EECS

Berkeley, CA

EECS 16A Course Staff

August 2021 – January 2022

- Helped 1500+ students debug their code and hardware in order to complete lab assignments
- Taught students concepts in linear algebra and circuits

UC Berkeley Swarm Lab

Berkeley, CA

Research Intern in the Arias Group

May 2021 – October 2021

- Lead the micro battery project and fabricating over 300 batteries by thermal evaporation and electrode printing
- Assembled these batteries in a glovebox and characterized them through battery testing and Electrochemical Impedance Spectroscopy finding a 16.4% increase in capacity
- Designed a more space efficient 2x2 micro battery array that reduced empty space by 40% and fabricated/tested them

Cal Sol

Berkeley, CA

Electrical Engineering Subteam

August 2020 – July 2022

- Program, design, and integrate a car's electrical subsystem as a member of the electrical subteam
- Design custom PCBs and use the CAN network to implement the communication backbone of the car
- Created a new schematic and layout for the Motor Controller Controller board to be used in the solar car

PROJECTS

Wii Micro Portable: *Circuits, SMT Soldering, Through Hole Soldering*

May 2020

- Trimmed a Wii motherboard to make a portable Wii
- Created 1V, 1.15V, 3.3V, and 5V power regulators for the system and rewired data lines
- Designed and 3D printed casing for board

Light Drawing Robot: *Python, C++, ROS, Microcontroller, Custom Hardware*

- Built a Python/C++ pipeline to extract salient contours from input images (scaling + adaptive thresholding + size filtering) robust to lighting variation
- Planned smooth, efficient Sawyer arm motions in ROS/MoveIt by downsampling features, generating waypoint poses, and applying time-parameterization for velocity smoothing
- Implemented ROS nodes to synchronize arm trajectory with RGB LED actuation, including a lightweight serial protocol to an ESP32 for per-LED color control
- Created a system that converts arbitrary images into 3D light-trail drawings via long-exposure photography, producing clean outlines of key image features.

SKILLS: Python, Java, C/C++, C#, JavaScript, SQL, HTTP, CSS, AWS, React, Bootstrap, Ruby, MongoDB, Tensorflow, PyTorch, MATLAB, AutoCAD, Linux, Unity, LaTeX

PUBLICATIONS

[1] Scalable Behavior Cloning with Open Data, Training, and Evaluation.

Arthur Allshire*, Himanshu Gaurav Singh*, Ritvik Singh*, **Adam Rashid***, Hongsuk Choi*, David McAllister*, Justin Yu, Yiyuan Chen, Huang Huang, Pieter Abbeel, Xi Chen, Rocky Duan, Phillip Isola, Jitendra Malik, Fred Shentu, Guanya Shi, Philipp Wu, Angjoo Kanazawa
2026 Conference on Robot Learning

[2] Pre-training Visual Dexterity in Simulation.

Sarthak Kamat*, **Adam Rashid***, Satvik Sharma, Aseem Doriwala, Chelsea Finn, Phillip Isola, C. Karen Liu
arXiv preprint arXiv:2608.15917, 2026

[3] LucidXR: A Framework for Learning Dexterous Manipulation from Human Demonstrations.

Yajvan Ravan*, **Adam Rashid***, Alan Yu, Kai McCledden, Gio Huh, Kevin Yang, Zhutian Yang, Qinxi Yu, Xiaolong Wang, Phillip Isola, Ge Yang
2025 Conference on Robot Learning

[4] Language-Embedded Gaussian Splats (LEGS): Incrementally Building Room-Scale Representations with a Mobile Robot.

Justin Yu*, Kush Hari*, Kishore Srinivas*, Karim El-Refai, **Adam Rashid***, Justin Kerr, Chung-Min Kim, Richard Cheng, Muhammad Zubair Irshad, Ashwin Balakrishna, Thomas Kollar, Ken Goldberg
IROS 2024

[5] Cloud-Enabled Lifelong LERF for Semantic Inventory Monitoring.

Adam Rashid*, Chung Min Kim*, Justin Kerr*, Letian Fu, Kush Hari, Ayah Ahmad, Kaiyuan Chen, Huang Huang, Marcus Gualtieri, Michael Wang, Christian Juette, Tian Nan, Liu Ren, Ken Goldberg
2024 IEEE International Conference on Robotics and Automation

[6] Language Embedded Radiance Fields for Zero-Shot Task-Oriented Grasping.

Adam Rashid*, Satvik Sharma*, Chung Min Kim, Justin Kerr, Lawrence Yunliang Chen, Angjoo Kanazawa, Ken Goldberg
2023 Conference on Robot Learning (**Best Paper Finalist**)

[7] AlphaGarden-NeRF: 3D Representation for Plant Growth Monitoring.

Simeon Adebola*, **Adam Rashid***, Zehan Ma, Roy Lin, Ayah Ahmad, Eugen Solowjow, Ken Goldberg
IROS 2023, Workshop on Robotics in Agriculture