

NEEV PARIKH

✉ neev_pariikh@brown.edu

☎ 401-632-2749

🌐 neevparikh.com

🐙 github.com/neevparikh



PUBLICATIONS

🔧 Workshop Papers

- Merlin, Max et al. (2020). "Locally Observable Markov Decision Process". In: *International Conference on Robotics and Automation. Workshop on Perception, Action, Learning*.

EXPERIENCE

Research Assistant

Intelligent Robot Lab

📅 Jun 2020 – Present

📍 Providence, RI

- Working on Reinforcement Learning/Robotics research, advised by **Prof. George Konidaris**. Current projects:
 - New mathematical framework (LOMDPs) for robot domains
 - Unsupervised representation learning for Atari task suite
 - Graph-based priors for improving multi-task performance

Teaching Assistant

Department of Computer Science

📅 Jan 2020 – May 2020

📍 Providence, RI

- Computer Vision (CSCI 1430), taught by **Prof. James Tompkin**
- Guided 3 teams in their final projects
- Revamped Project 5: Fundamental Matrix Estimation with RANSAC

Teaching Assistant

Department of Computer Science

📅 Sep 2019 – Dec 2019

📍 Providence, RI

- Introduction to RL (CSCI 2951F), taught by **Prof. Michael Littman**
- Fixed bugs and improved visualizations in (david-abel/simple_rl)
- Guided 3 teams in replicating papers for the **NeurIPS 2019** Reproducibility Challenge

Machine Learning Intern

Myelin Foundry

📅 Jun 2019 – Aug 2019

📍 Bangalore, India

- Worked to develop cutting-edge, deep-learning based pipeline to augment VFX workflows for a POC product.
- Researched and managed a company-wide, cloud-compute platform, reducing potential monthly costs by 70%.
- Helped transition MLOps to Microsoft Azure.
- Implemented DeepLabv3+ from **ECCV 2018** to develop SOTA pipelines for semantic segmentation tasks.
- Achieved 90% in business-aligned metrics with reasonable inference time.

EDUCATION

B.Sc. in Computer Science

Brown University

📅 Aug 2018 – May 2022

🎓 GPA: 3.9

Advised by: **Prof. Michael Littman**

COURSES

Graduate Courses

Reintegrating AI

Prescriptive Analytics

Advanced Research Seminar

Intro to RL (IS)

Undergraduate Courses

Distributed Systems

Computer Vision

Accelerated Intro CS

Intro to Systems

Linear Algebra

Numerical Optimization

Probability & Statistics

Microeconomics

Honors Multivariable Calculus

AWARDS



2nd place – Brown Datathon

Developed a U-Net style CNN model to perform neuron cell segmentation on fruit fly and mouse brains.

🐙 rgreenblatt/brown-datathon



Stripe Sponser Prize – HackPrinceton

Developed a gun violence awareness tool integrating live data visualization and machine learning predictions.

🐙 neevparikh/hack-princeton-brown