Carnegie Mellon University
Robotics Institute
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Ravi Pandya

Education

08/2020– **Robotics PhD Student**, *Carnegie Mellon University, Robotics Institute.*

08/2015– **BS, Electrical Engineering and Computer Science**, *University of California, Berkeley.*
05/2019 Cumulative GPA: **3.86**/4.0, Graduated with Honors

2015–2019 **Selected Coursework**.
Robotics, Algorithmic Human-Robot Interaction, Artificial Intelligence, Mechatronic Design, Linear Systems, Nonlinear Systems, Machine Learning, Deep Learning, Computer Vision, Physics

Conference Publications

[4] **R. Pandya***, S.H. Huang*, I. Huang*, A.D. Dragan, "Nonverbal Robot Feedback for Human Teachers," *CoRL*, 2019 **(oral, acceptance 5.3%)**.

[3] **R. Pandya**, S.H. Huang, D. Hadfield-Menell, A.D. Dragan, "Human-AI Learning Performance in Multi-Armed Bandits," *AIES*, 2019.

[2] A. Nagabandi, G. Yang, T.H. Asmar, **R. Pandya**, G. Kahn, S. Levine, R. Fearing, "Learning Image-Conditioned Dynamics Models for Control of Under-Actuated Legged Millirobots," *IROS*, 2018. ***(best paper award finalist)***

[1] A. Bestick, **R. Pandya**, R. Bajcsy, A.D. Dragan, "Learning Human Ergonomic Preferences for Handovers," *ICRA*, 2018.

Awards and Honors

2020 **National Science Foundation Graduate Research Fellowship**, (15% acceptance).

11/2019 **Oral Presentation at CoRL 2019**, (5.3% acceptance).

10/2018 **Best Paper Award Finalist at IROS 2018**, (of 1000 accepted papers).

Research / Professional Experience

09/2019- **Ericsson (Global AI Accelerator)**, *Data Scientist*, Santa Clara, CA.
09/2020 Used state-of-the-art multi-agent deep reinforcement learning algorithms to tune parameters in a radio network, shipped production-ready machine learning code for life cycle management of models

01/2018– **UC Berkeley Interact Lab**, *PI: Prof. Anca Dragan.*
07/2019 Worked on getting humans to be better teachers for robots

01/2018- **UC Berkeley Biomimetic Millisystems Lab**, *PI: Prof. Ronald Fearing.*
03/2018 Worked on learning dynamics models for underactuated robots

11/2016- **UC Berkeley Human-Assistive Robotic Technologies Lab**, *PI: Prof. Ruzena Bajcsy.*
09/2017 Worked on learning human ergonomic preferences in human-robot object handovers

Languages

Robot Python, MATLAB, C, Java, Ruby, Scheme (Lisp), Linux / command line

Human English (native), Gujarati (proficient), Japanese (conversational), Hindi (basic)

Frameworks / Libraries Numpy / Scipy / Pandas, Robot Operating System (ROS), Rllib, OpenRAVE, Simulink, Robot Control Library, PyTorch

*equal contribution