

Faculty Name:

Carl Vondrick

Faculty Email:

cv2428@columbia.edu

Lab:

Computer Vision Lab

Project Title:

Robot Interaction with Diffusion Models

Description:

The robots of today struggle to perform a wide variety of tasks, often limited to just automating the tasks they have already seen during their training. In this project, we will explore generative models, in particular diffusion models, in order to learn robust policies that are able to solve a wide variety of tasks. Minimum qualifications are experience in PyTorch and willingness to integrate hardware and machine learning together.

Location of Research:

On Site

of hrs/week:

30

Department/Program:

Computer Science

Eligibility:

BS, Third Year, BS, Fourth Year, MS

To apply, please contact:

Carl Vondrick

cv2428@columbia.edu