Faculty Name:

Carl Vondrick and Shuran Song

Faculty Email:

cv2428@columbia.edu

Lab:

Computer Vision Lab

Project Title:

Assistive Robots for Just-in-time Object Delivery

Description:

The goal of this project is to build a computer vision system that can detect when a person needs help, and anticipate what object they will need in the future, and why they will need it. It should be able to find the relevant objects in the scene, so it can instruct a robot to then bring to a person. The project will focus on the computer vision part, and optionally explore the robotic manipulation component. The skills required are machine learning, computer vision, linear algebra, and familiarity with working with large video datasets

Location of Research:

Hybrid (both Remote and On-Site)

# of hrs/week:

10

Department/Program:

Computer Science

Eligibility:

BS, Fourth Year, MS

To apply, please contact:

Carl Vondrick, cv2428@columbia.edu