

Name of project supervisor: Prof. Alison Olechowski

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Name of project: Investigation of learning methods and collaboration strategies in Multi User Computer Aided Design tools

Please provide a description of your project: see below

Who should apply for this project- both MEC and IND

Project description:

This project is part of an ongoing research effort at Ready Lab wherein we are interested in understanding how designers navigate Multi User Computer Aided Design (MUCAD) environments. MUCAD is analogous to Google docs which facilitates multiple editors on an always live document. We are currently in the process of designing a study to observe pairs working through CAD problems in a collaborative setting. We will rely on surveys/interviews, video recording and time stamping of recordings to capture events during the study. We're looking for a bright, hard-working undergraduate student to join our team for the summer.

Skills:

- CAD, preferably Onshape or Solidworks
- Experimental work involving human subjects
- Video and media editing
- Data analysis