Faculty mentors: Tobias Gerstenberg

Research supervisor(s):
Tobias Gerstenberg, Assistant Professor, gerstenberg@stanford.edu

Project topic(s): Uncovering mental simulation through eye-tracking

Brief description of scientific issues:
In the Causality in Cognition Lab (http://cicl.stanford.edu), we are interested in better understanding how people make causal judgments, reason about counterfactuals (i.e. what could have happened), and make moral judgments. We use eye-tracking as a way to measure directly what it is that people are imagining.

Skills required:
- necessary: being comfortable with running participants
- optional: some experience with python and/or R

Skills to be learned:
- how to run eye-tracking experiments
- how to analyze and visualize eye-tracking data
- how to build a computational model and compare the model's predictions to human data

Hours: Full time