Instructions for term projects
CSC 720, Artificial Intelligence II, Spring 2021

Purpose

Individual term projects should exercise the student's understanding of the course material at a level that provides a possible basis for future investigation or publication.

Projects related to planned or ongoing thesis work are acceptable, but should complement rather than duplicate the thesis work.

Scope

The instructor poses no *a priori* limitation on the topic or scope of term projects, but expects topics that permit completion during the semester.

Types

Several types of projects are acceptable in principle, including but not limited to the following.

- Conducting a research survey that provides a detailed and comprehensive explanation and evaluation of the state of knowledge or art on some topic. The works selected might represent a question of interest to the student, or perhaps works extending those presented in class by the student. The topic should likely be a narrow one to permit completion as a term project rather than as a thesis or research career.

- Investigating an open research question of interest to the student. This might involve work to identify specific open questions at the foundations or frontier of some area, and formulating problems and algorithms carefully in precise formal (mathematical or logical) terms.

- Implementing and carefully describing a novel application of concepts and techniques under discussion to a practical problem.