

Each of you will complete either a software or research project this semester. You may work in groups of up to three. The software project will consist of building a piece of software of your choice, while paying special attention to some best practices in software development. The research project will consist of you choosing a somewhat current topic in computer science that interests you, gathering research, and summarizing the research landscape in a paper. The paper's length will be tied to how much and how complex the code is for the project. Each of you will complete a smaller assignment as well that will be due in a few weeks.

Your first assignment will be to explore the landscape of the field of computer science and choose a subfield that you find interesting. It could be as broad as artificial intelligence or cryptography, or as specific as machine learning or encryption over a public channel. Whatever you find interesting and feel that you could build a project in that theme. Respond to the "Project Area" form on the course website, where you will declare your project area, project type, and list any partners you will have, by February 28, 2019.