# 18731 Spring 2022 Project Proposal
## Project Title Here

Team Members

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## Abstract

Quick 4-5 sentence abstract of the work: 1. Motivate problem 2. What is known 3. What you propose to do that is different 4. Expected outcomes

## 1 Problem Statement

What is the problem that this project is going to address? Does it matter: why is the problem important? Who will benefit when the problem is solved

1-2 paras

## 2 Proposal

What is the basic approach, method, idea or tool that's being suggested to solve the problem?

1-2 paras

## 3 Hypotheses

What exactly are the expected effects of the proposed solution?

What are plausible alternatives? How likely are they? What's good and bad about them by comparison with what's proposed? What have others done already? What did they learn?

1-2 paras

## 4 Experiments

What will be done to test out the hypotheses? (E.g. measurements, simulations, constructing code). How will this confirm (or deny) the hypotheses? Why will the conclusions be believable?

Who will work on this? For how long? What additional equipment or other resources will be needed ?

1-2 paras

## 5 Results

What will be the outcome of the work ? How will we know when they are complete?

What are the measures for success? (E.g. "faster", "smaller", "more available".)

1-2 paras

## 6 Milestones and Timeline

What are the intermediate milestones? How will we know when they are complete?

Bulleted list of milestones

## 7 Related Work

What are the key pieces of related work in this space?

1-2 paras for now, eventually you need to flesh it out