Final Project: Proposal

Summary: Since the final project is a large, research-intensive undertaking, we want to make sure we get off on the right foot and are all on the same page (both within your teams and with me). To do this, we will have a formal proposal in the form of a short speculative research paper. If you have not previously written an academic research paper, that's ok — you've read many by now!

Deliverables

- A 4 page proposal paper in PDF format, consisting of:
  - A 3 page proposal that contains the components below
  - A set of references (expected length ½ - 1 page)

Key Components

- Introduction and Motivation
- Related Work
  - What other work has been done that informs this work (in the broad space)?
  - What other work is similar to this work? Why is it different?
  - Is there work on related questions? Is there work on questions that this project could help advance in the future?
- Proposed System
  - What will your system do?
  - How do you propose to do it?
  - What frameworks/languages/packages do you expect to use?
  - What is novel about the system? Why is it needed (versus re-using prior work)?
- Proposed Experimental Setup
  - What experiments will you run to show that your system worked?
  - What will you measure?
- Future Work
  - Discuss the potential impact of this work: what future research does it inform?
  - What will we know after than

Resources

CHI papers format: [http://www.sigchi.org/publications/chipubform](http://www.sigchi.org/publications/chipubform)

Paper example: Scott Hudson is a giant in the field of technical HCI and interactive systems. His awesome and field-defining research is complemented by a no-nonsense personality and moustache that would be at home in any Western. Here’s him writing a recent paper about teddy bears at CHI 2014 (this is the kind of high-quality, but fun, systems paper we want!) ...a true modern-day Teddy Roosevelt.