

# CS 495 Homework 2: Capstones

**Due:** Fri. Mar. 7, at the beginning of class

Find the **one** choice among the following six categories that **best** describes the current state of your capstone, and indicate your choice by placing a checkmark next to the category. Then, follow the instructions associated with that choice. You should be prepared to present the work described to your classmates on the due date.

Submissions for categories A and D must be completed using presentation software. Submissions for the other categories must be completed using word processing software.

When you are ready to submit, check to appropriate line on this sheet, and attach it to the top of your submission.

All submissions will receive 3 points, with each instance of the following errors resulting in the indicated penalty:

- Each spelling or grammar error: -1 point
- Missing cover sheet: -1 point
- Missing one substantial requirement: -1 point
- No submission: -3 points

A.  **My capstone project is an internship/co-op, and I have completed the internship/co-op.**

Prepare the first three slides of your capstone presentation. The first slide should be the title slide of your talk, the second slide should be an overview of the work that you have undertaken, and the third should start to detail your capstone internship / co-op experience.

Submit hardcopies of these three slides.

B.  **My capstone project will be an internship or co-op experience, and I have an agreement in place with an organization to serve as an intern/co-op employee with them.**

Submit a copy of your capstone pre-approval form including the three required signatures.

C.  **My capstone project will be an internship, but I do not yet have an agreement with an organization.**

Go online and find an internship or co-operative solicitation with one of the following companies or organizations: AT&T, Boeing, CarFax, Cerner, Enterprise

Rent-A-Car, Greenpeace, Monsanto, NASA, the Principle Financial Group, Space-X, or the IRS. Make sure that the internship would be an appropriate experience for a computer science capstone.

Create a document containing this information:

1. Name of company or organization;
2. Description of the internship / co-op responsibilities (copied from website);
3. Required background of the intern: education and major, relevant personal characteristics (specific citizenship, residence, etc.) and special skills required and or desired;
4. Address (email or U.S. mail) for submitting internship applications, or website URL (if submission is done on-line).

D. \_\_\_ **My capstone project will be a research project, and I have already undertaken and completed the research project.**

Prepare the first three slides of your capstone presentation. The first slide should be the title slide of your talk, the second slide should be an overview of the work that you have undertaken including an explanation of the problem, and the third should begin to discuss your work

Submit hardcopies of these three slides.

E. \_\_\_ **My capstone project will be a research project, and the research project is currently underway.**

Submit a copy of your capstone pre-approval form, including the three required signatures.

F. \_\_\_ **My capstone project will be a research project, but I have not yet settled on a research topic.**

Find a member of the Truman computer science faculty who has an idea for a potential research project that could serve as a computer science capstone. Create an abstract for the project. At the bottom of the abstract, include a paragraph that says, "I agree that this abstract is a reasonable description of the project that I discussed with <you name>." and get a faculty member's signature agreeing to this paragraph.

Note: you do not have to get the faculty member to agree to supervise your research project; the faculty member must only agree that the abstract is a description of a reasonable project that could potentially become a capstone.