

# THE ART OF COMMERCIAL SOFTWARE DEVELOPMENT

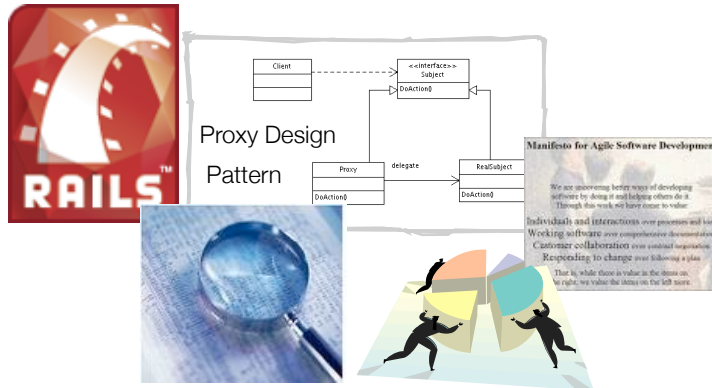
## COMP 150-CB SUMMER 2008

Judy Stafford and Daniel Cozza

Tuesdays 6-9

May 27-August 5

Halligan 111A



***Interested in learning  
what its like to work  
on a real software  
development project?***

## Course Overview

Judy and Daniel bring their years of research and practice in software development together to offer, for the second time at Tufts University, a course specifically designed to arm burgeoning practitioners with the skills most valued by managers of commercial software development projects. Over the course of the summer you will work on a team to build a software system using an incremental approach to software development, adding functionality throughout the semester in response to requests from Daniel and Judy. Class meetings will be a combination of lectures, team meetings, and group work. You will learn the theory as well as the practice of many of the most well accepted techniques used in industry today. Coding will be done in Ruby but no prior experience using Ruby is required. Familiarity with software engineering and knowledge of Ruby or Java, C++, or some other OO language and a desire to learn Ruby is required. Contact Judy ([jas@cs.tufts.edu](mailto:jas@cs.tufts.edu)) or Daniel ([Daniel@cozza.net](mailto:Daniel@cozza.net)) for more information.

Prerequisite: COMP 15

### Learn To

- Program with Ruby on Rails
- Develop Web applications
- Work in an Agile Development Environment
- Work on a team
- Avoid Code/Concept Duplication
- Use Design Patterns/Anti-Patterns
- Use Refactoring
- Use Unit Testing
- Use Component/Integration Testing
- Use Nightly Builds/Continuous Integration
- Perform Code Reviews