

## CS Masters' Thesis Defense

**Title:** *Wiki Contributions to Software Engineering*  
**Speaker:** Daniel Bolton  
**Date:** Friday, January 27, 2012  
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**Location:** GMCS 405  
**Thesis advisor:** Dr Roger Whitney

### **Abstract:**

Software Engineering is a profession that requires the collaboration of a wide variety of individuals working together to design, implement, and maintain software applications. Over the past few decades software teams have been incorporating the use of wikis for project collaboration and software documentation. This study examined how wikis have been used to support the software development process. It identified how wikis have been used on software projects, how effective wikis are at supporting software projects, and how wikis could be enhanced to better support software projects.

A professional software project that had been using a wiki to support process and documentation for over three years was studied. The content and log files from the wiki were collected and analyzed. The project's overall process was defined and how the wiki was supporting that process was identified. The opinions of the wiki users were obtained by collecting and analyzing the results of a user opinion survey.