CIS490A Topic: Mobile Application Development
Spring 2014
MWF: 1:25pm-2: 20pm

Why:
Mobile devices have become a major part of our lives. We use smartphones and tablets to communicate, to do business, and to share thoughts. With the development of mobile computing technology, the latest smartphone and tablet computers make the mobile market among the fastest growing areas of software development. Mobile application development has been steadily growing, both in terms of revenues and jobs created. Students who take this course will obtain the knowledge and skills to work with a mobile application development team at a company or to create their own company.

How:
This course will be taught in an Apple Computer Lab. Students will do hands-on design and programming in class. The pace of the course will be adjusted based on student learning.

What:
CIS490A will mainly cover 1) a brief introduction to Java programming language, 2) Android development platform, 3) a brief introduction to mobile application development, 4) some related issues of mobile computing. After this course, students will have the knowledge and skills of 1) basis concepts and techniques of development mobile applications, 2) various different types of Android applications features and services including maps, SMS and Email, 3) SQLite database features, 4) how to publish Android application to Android Market, and 5) possible exploration to further topics in mobile development and mobile computing. Students will develop mobile applications (such as Niagara University related apps) for a course project and will present the design at the end of the semester.

Requirement:
Eagerness to participate and study, No textbook required, No prerequisites.

Instructor:
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