

California State University San Bernardino  
School of Computer Science and Engineering

**CSE 595 Independent Study Presentation**

**Date**

December 8, 2015

**Time**

11:00 AM

**Place**

JB 359

**Title**

Learning To Program With TinyOS

**Student**

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**Advisor**

Qingquan Sun

**Abstract**

I will be presenting my research on the TinyOS operating system. The presentation will include a brief history of the operating system, along with an introduction to all of the components necessary to successfully create programs within the operating system. TinyOS can be used to program many different external components that interact the environment and can collect data. I

will be demonstrating how a particular component can be programmed to sense radio waves at certain signal ranges, while also communicating with other components as well. The presentation will include a demonstration of the programming language nesC, which is the primary language used to program in TinyOS. My goal was to understand the programming methods of TinyOS, and I will be presenting my research that was conducted in order to accomplish that goal.