

Email the following information to me in TIMES NEW ROMAN, 12 point font, justified, single-spaced, in the order as requested below:

1. Title of your abstract

ENHANCING USABILITY OF APP INVENTOR IN MOBILE DEVICES WITH TOUCH EVENT HANDLING

2. Authors in order of appearance including class year of each author

Grace Kyungmin Ryu '16

3. Trinity Faculty Sponsor(s)

Professor Ralph Morelli

4. Abstract

Working as a TA for Intro to Computer Science courses, I have seen many students with frustrations and struggling. They made a conclusion so quickly that they were not talented enough to study Computer Science. The goal of this project is to improve the programming experience for people learning Computer Science for the first time and to foster positive perception on Computer Science field. This project addresses the extension of App Inventor Integrated Development Environment (IDE) to mobile devices by implementing touch event handlers. App Inventor is a block-based programming language that enables users to build, design, and test Android mobile applications. The focus of the project was to modify the Design Editor such that it can support mobile devices as another platform for programming. The full poster will describe the design process and code in details.