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Mobile apps software development with Creative Inquiry

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Mobile Apps Software Development with Creative Inquiry



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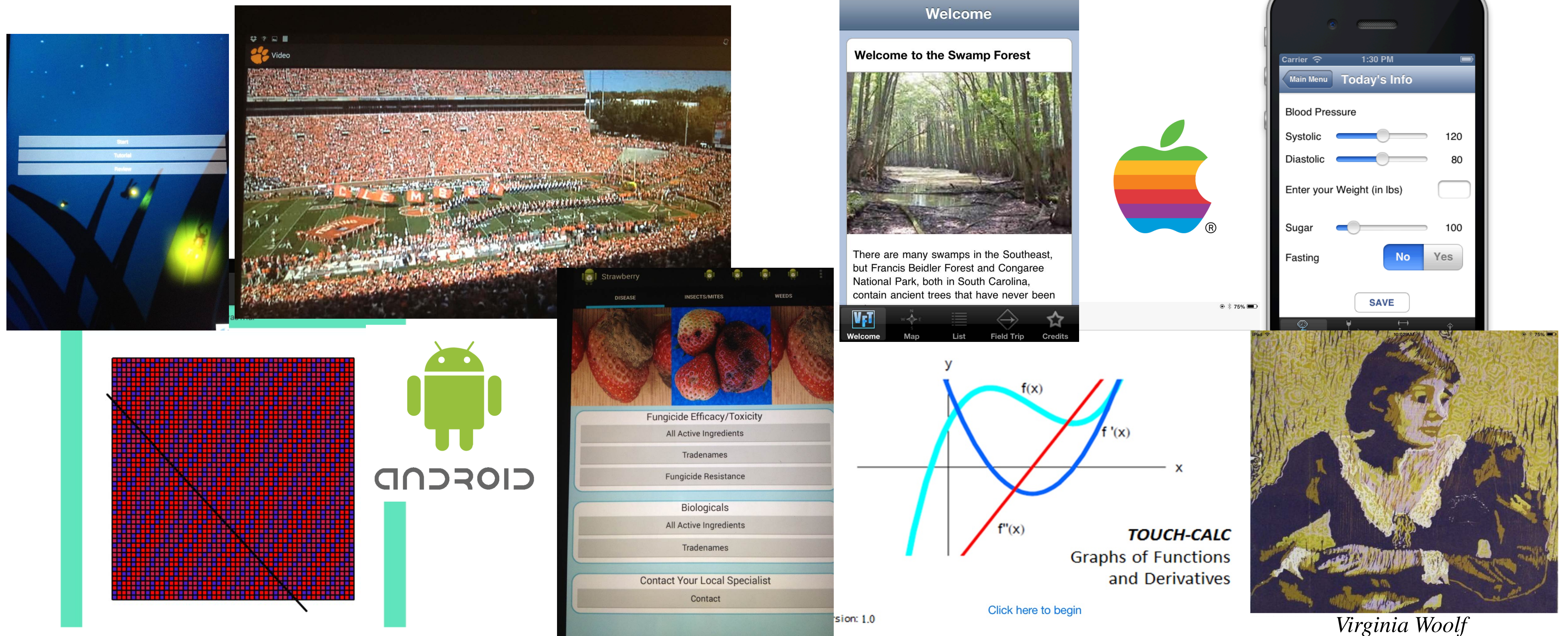
A Need for a Mobile Device Software Development



Smartphones and tablets are proliferating very rapidly and it is important for us to provide our computer science students with the skills and capabilities required to program these devices. Mobile device (smartphone or tablet) software development should be a permanent course in any computer science curriculum today. It is as relevant to the education of computer science students as programming languages, operating systems, and database design. Some might argue that it won't be too long before it becomes more relevant than some of our traditional computer science courses.

Results Demonstrated

The development of several apps, both iOS and Android, have continued beyond the classroom. Eight are shown below and are demonstrated live at ACMSE 2014. Android: Firefly Counter, Clemson University Tour, Radiology, Strawberry. iOS: SwampForest, mHealth, Touch-Calc, Virginia Woolf.



Current and Future Apps Seven iOS apps developed by students who have taken this class are currently available at the Apple App Store: Clemson University Tour, Firefly Flash Counter, Swamp Forest, Cove Forest, Salt Marsh, EQUIP, and Record of Reading. Two Android apps: Clemson University Tour and Firefly are scheduled for upload to the Google Play Store by May, 2014: Clemson University Tour and Firefly Counter. Two iOS apps are scheduled for upload to the Apple App Store by May 2014: Touch-Calc and Virginia Woolf. Seven other apps are currently under development.

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