

Erin Knapp

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Education

Florida Atlantic University Bachelor of Science in Computer Science	August 2018
University of Tennessee Master of Arts in Anthropology	August 2013
Pennsylvania State University Bachelor of Science in Archaeologist Sciences Bachelor of Arts in Classics	May 2006 May 2006

Skills

Languages: C, C++, Java, x86 Assembly, Visual Studio, C#, MySQL, SQL
Web Development: Javascript, HTML/CSS, PHP, jQuery, NodeJS, Angular, Python
Operating Systems: Windows, Android, Linux, Apple OS/iOS
Hardware: Raspberry Pi, Arduino
Design: Adobe Photoshop, Adobe Illustrator, Adobe InDesign

Programming Projects

Android App Development

- Developed augmented reality app for mental healthcare
- Users of App could rank how they feel from 1-10 then use their phone to scan colored cards associated with current moods. After daily check-in, a positive message appropriate for mental health illnesses would pop up on screen appearing on top of the colored card, using augmented reality
- The lead Java programmer using in Android Studio and Unity AR developer

Android App/Website

- Git master for Agile/Scrum team - organized and managed GitHub repository including feature and master branches, wrote documentation and participated in code reviews, assisted in UI development using Javascript and Vue.js
- Project concept: a mobile app/website (for users without phones) to control equipment access in the school's equipment labs. Required to use a specific device that is installed in

the wall, behind the wall socket plates in order to turn off or on lab benches or the entire lab classroom

- The app allowed teachers and students to request equipment access to a room (teachers) or a lab bench (students), such as a soldering iron workbench
- The app was a database with a user-friendly UI

Hackathon at FAU (group project) - 2016 Hackathon sponsored by IBM

- Project goal: build a system to track the number of students in a classroom
- Requirement: IBM's Bluemix platform, which was not fully tested and had a lot of errors (this was the precursor to IBM Cloud)
- Used Arduino microcontroller and the ESP8266 wifi chip to communicate with the university network
- The lead programmer using Javascript and NodeJS

Activities

Student member of IEEE since August 2015

- Officer and committee chair of IEEE Student Branch club in Fall 2015
- Attended leadership workshops on behalf of the student club
- Attended and lead software and hardware meetings for club