Noah Nuechterlein

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Education

University of Michigan: College of Engineering   2012-present
- Major: Computer Science in Engineering
- GPA: **3.86/4.0**
- Major GPA: **4.0/4.0**
- Dean's list at University of Michigan Fall 2012, Winter 2012, Fall 2013, Winter 2014

Relevant Classes:
- EECS 482 - Operating Systems (C++)   Fall 2014
- EECS 484 – Database Management Systems (SQL,Java)   Fall 2014
- EECS 281 - Data Structures and Algorithms (C++)   Winter 2014
- EECS 370 - Computer Organization(C, Assembly)   Winter 2014
- EECS 270 - Intro Logic Design   Fall 2013
- EECS 280 - Programming and Introductory Data Structures (C++)   Winter 2013

Delta College (Dual Enrollment)   2011-2012
- Relevant classes: Java Programming

Work Experience

Indoor Localization Lab Research   2014-present
- Programmed for indoor localization software, leveraging opencv to process images of ceiling lights based on angle of arrival calculations
- Adapted Python code to extend to groups of LED strips, created regression test suite, built boards to light LEDs

Jimmy Johns   Summer 2013
- Delivered goods to customers timely and professionally. Fostered independence and communication skills

Computer Skills

- C++, C, Python, SQL, Matlab, Java, Android SDK, Visual Basic, Unix, Windows, Microsoft Office Applications

Programming experience:

Bang   2014
- Led team for Android application focusing on networking by connecting a user's contacts with messaging
- The application is written with the Android SDK and an implements a SQLite database

Engineering 100 Project   2013
- Three month team undertaking, meeting weekly, culminating in oral presentation and written report
- Designed user interface
- Created Music synthesizer, taking user input of instrument, notes and note length, outputting sound to user
- Implemented music transcriber which interpreted note's frequencies and length and transcribed onto musical staff

MSuite   2013-present
- Michigan Club teaching mobile applications and the design process. Produce apps in long term android project.

Personal Projects
- Scrabble, Sorry, Battleship, Fantasy sport stat analysis program

Extracurricular Activities

Tau Beta Pi Honors Society   2014
Basketball Coach   2010, 2011, 2012
- Coached a community center basketball team, facilitating collaboration among team members

National Honors Society   2010, 2011, 2012
- Volunteer experience around the community and at Dow High School, including supporting and leading fundraisers, giving blood, and tutoring

Model UN   2010, 2011, 2012
- Drafted resolutions to the pressing issues discussed in meeting, fostering leadership and communication skills