Adetunji "TJ" Dahunsi (Ah-Day-Toon-Ji)

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Education:

University of Michigan, Ann Arbor, MI
Master of Engineering in Manufacturing Engineering (September 2014)
GPA **3.5** / 4.0

University of Oklahoma, Norman, OK
Bachelor of Science in Mechanical Engineering (May 2013)
GPA **3.75** / 4.0 (*Graduated with Special Distinction and a Mathematics Minor*)

Skills:

Android & Web development (Java, C, C++, JavaScript, MEAN stack, HTML, CSS)
Black Belt Lean Six Sigma trained (DMAIC)
3D Modeling software (SolidWorks)
ANSYS simulation software (CFD, structural analysis, and combinations of both)
Statistical analysis (tolerance analysis, process capability, etc.; Minitab & Excel)
Excellent teamwork, interpersonal, written and oral communication skills

Experience:

Mobile Applications Developer (Android)
HelloWorld Inc, Southfield, MI, February 2016 – Present

- Contributed significantly to the development stages of a new high visibility project and currently supports its maintenance and update cycles.
- Modified a gradle plugin to publish multiple product flavors and build variants of an App to the Google Play Store and HockeyApp.
- Refactored existing Android applications to use the latest AppCompat library classes and patterns (AppCompatActivity, RecyclerView, CoordinatorLayout, CollapsingToolbarLayout).
- Onboarded and supported a new Android developer, walking him through the company's mobile technology stack, code best practices and design patterns.

Software Developer
MyFab5 LLC, Ann Arbor, MI, February 2015 – February 2016

- Completely rewrote the MyFab5 Android app to be up to date with Google's material design.
- Used functional reactive programming (RxJava) to seamlessly perform asynchronous tasks .
- Utilized Retrofit to implement an interface between the Android app and a RESTful JSON API.
- Worked on an internal marketing tool built with AngularJS, Ionic, Cordova/PhoneGap.

WuMRC Research Staff / Programmer Analyst
University of Michigan Wu Manufacturing Research Center, Ann Arbor, MI, May 2014 – February 2015

- Developed the bill of materials, wrote Android BLE app (GATT client) and C++ code (GATT server), and helped create initial designs for a wearable bio-impedance monitor.
- Developed an algorithm to extract bio-impedance parameters from measured data.

Manufacturing Engineering Graduate Student Team Projects
University of Michigan, Ann Arbor, MI, September 2013 – April 2014

- Quality: Gained knowledge in Black Belt DMAIC Six Sigma with respect to statistics, lean operations, SPC, DOE, etc. Acquired proficiency with Microsoft Excel Macros and Minitab.

Engineering Learning Center Tutor
University of Michigan, Ann Arbor, MI, September 2013 – April 2014

- Tutored students in Calculus, Physics, Thermodynamics, and Mechanical Engineering courses.

University of Oklahoma Undergraduate Researcher
University of Oklahoma, Norman, OK, January 2013 – July 2013

- Studied the propagation and effects of pressure waves on the human ear (utilized CFD analysis and CAD modeling extensively; ANSYS, Hypermesh and SolidWorks).

Misc.:

- "Big M" manufacturing conference and Detroit Maker Faire Volunteer with SME.
- University of Oklahoma President's honor roll (fall 2009, spring 2010).