

**Andrew L. Martin**  
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**Objective:** To secure a challenging technical engineering position

**Education:** **University of Illinois, Urbana Champaign, IL**  
*B.S., Electrical Engineering, minor in Materials Engineering, Obtained Dec 2015*

**Relevant Courses:**

Electronic Circuits	Power Electronics	Thermodynamics
Analog Signal Processing	Semiconductor Electronics	Fields and Waves
Differential Equations	Engineering Statistics	Quantum Mechanics

**Experience: Dematic Reddwerks - Austin, TX** **Jan 2016- Present**  
*QA Engineer*  
Designed and executed test cases for Java based Warehouse Execution Software (WES).  
Trained end-users onsite at distribution centers in the operation of Reddwerks software and hardware.  
Fully documented over 80 code changes across 20 remote/onsite deployments.  
Statistically analyzed pseudorandom number generator for Reddwerks LC firmware. Demonstrated need for companion firmware updates for a new hardware design. Suggested changes were implemented by R&D.

**Zhejiang University** **Summer 2015**  
*Research Assistant - Study Abroad Program*  
Studied the effect of humidity on electrical properties of fluorinated graphene/silicon schottky junctions.  
Collected data and wrote statistical analysis of experiment results.

**3Phoenix** **Summer 2014**  
*Systems Engineering Intern*  
Built a pathway for sending data from a remote underwater vehicle to an on-ship MFHR radar system.  
Wrote Matlab programs to encode and interpret eval-board data.

**Skills:** Linux, Python, C programming CAD/SolidWorks  
Atlassian (Jira/Confluence), MySQL, MSSQL, Matlab, HDL Designer,  
Extensive experience breadboarding, soldering, and troubleshooting circuits  
Excellent communication and presentation skills  
Chinese language skills

**Activities:** *Hobbyist work on Arduino/ATTiny/Reddwerks hardware*  
-Designed low cost hobbyist project featured in online article for Popular Science

*Instructor/Advisor at Austin Arduino and MicroController Meetup*  
-Taught introductory classes for programming in Arduino.

*IEEE workshops committee liaison to Makerspace Urbana*  
-Spearheaded a successful Arduino workshop for UIUC students in collaboration with Makerspace Urbana