C MARK HALBERSTADT

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Education

Temple University ……………………………………………………..... Philadelphia, Pennsylvania
- Bachelor of Science, Electrical and Computer Engineering — Graduated May 2014
- Graduated Summa Cum Laude with First Academic Honors — GPA: 4.00 / 4.00
- President of Eta Kappa Nu Honor Society
- President of IEEE Student Organization

Experience

Xpanxion ……………………………………………………………. Fort Collins, Colorado
- Worked on a team developing software for financial services — Software Engineer
- Implemented REST web services using Spring MVC framework — November 2014 - Present

Temple University NASA Lunabotics Team ……………………………………… Philadelphia, Pennsylvania
- Designed and built robots representing Temple University in four NASA competitions held at Kennedy Space Center — Team Leader (2013 – 2014) / Team Member (2010 – 2013)
- Implemented IR-light based location system for locating a beacon in the presence of added interference. — September 2010 – June 2014
- Finished 9th place in 2014 NASA Robotic Mining Competition (up from 47th place in 2013 competition)

YouTube Channel (www.youtube.com/cmarkhalberstadt) .... Philadelphia, Pennsylvania
- Created over 400 videos covering topics such as programming, electrical circuit analysis, signal processing, chemistry, and music — Content Creator, YouTube Partner / March 2010 – Present
- Over 400,000 video views and 1,100 subscribers

CenTrak .... Newtown, Pennsylvania
- Developed recommendations for reducing digital communication errors in real-time location systems (RTLS) — Electrical Engineering Intern / June 2013 – August 2013
- Aided in full-system implementation of most recommendations made to reduce digital communication errors

First Quality Retail Services .... King of Prussia, Pennsylvania
- Developed documentation for power distribution system in both AutoCAD and Excel used for system maintenance — Electrical Engineering Intern / May 2012 – August 2012
- Implemented revision control protocol for documentation

Temple University Engineering Tutoring .... Philadelphia, Pennsylvania
- Tutored undergraduate students in electrical and mechanical engineering — Engineering Tutor
- Courses included Signal Processing, Electromagnetic Fields and Waves, Microprocessor systems, Data Structures — September 2012 – May 2014

Skills

Java, C, Verilog, MATLAB, HTML, CSS, SQL, PostgreSQL, JavaScript, jQuery, REST Web Services, Spring MVC, Git, GitHub, Maven, x86 Assembly, MIPS Assembly, Arduino, Microsoft Office, with some experience in C++, Python, ColdFusion, AutoCAD

Other

- Interviewed International Space Station Astronauts as part of a program with Temple University Television
- Worked extensively in NASA and Pennsylvania Space Grant funded Student Space Exploration and Embedded Systems Laboratory at Temple University
- Achieved honorable mention for John L. Rumpf award for engineering excellence at Temple University
- Featured as a Khan Academy College Hero in April of 2014
- Worked extensively as a performing and teaching saxophonist and composer / arranger in Denver, Colorado
- Volunteered with the Denver Dumb Friends League Humane Society Animal Shelter