C MARK HALBERSTADT

Fort Collins, CO ■ (610) 304-9592 ■ www.cmarkhalberstadt.com ■ c.mark.halberstadt@gmail.com

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

University of Denver ……………………………………………………………. Denver, Colorado
- Bachelor of Music, Jazz and Commercial Music — Graduated December, 2007
- Theodore Presser Scholarship, Pioneer Scholarship, Frank Toth Memorial Award — GPA: 3.58 / 4.00

Experience

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 1,000 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, x86 Assembly, MIPS Assembly, Microsoft Office, with some experience in C++, Python, HTML, CSS, JavaScript, jQuery, 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