

Steven Massey

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Objective

An experienced software developer in training for electrical and computer engineering. Eager to gain experience in any technical fields with space applications while completing formal education.

Education

Saint Louis University: Parks College St. Louis, MO – **December 2012**
Bachelor of Science: Electrical Engineering, Computer Engineering
Cumulative GPA: 3.2/4.0

Employment History

Parks College- Space Systems Research Lab- Systems Engineer **St. Louis, MO - 2010-Present**
Working on SLU's COPPER CubeSat mission manifested for December 2012 launch
Responsibilities include designing embedded software, developing imaging subsystem in VHDL

Parks College- Microprocessors Lab TA **St. Louis, MO - Fall 2010**
Assisted instructor in providing help and instructions to students in lab course
Helped students use AVR assembly on ATmega series microcontrollers

pplDevices Inc.-Software Staff **St. Louis, MO - 2009-2010**
Developed social community for primary education market, supplement to hardware video device
Responsibilities included PHP development and interface design.

LostOrbit.net- Owner, Programmer, Graphic Designer **St. Louis, MO - 2007-2008**
Developed websites (design and backend) for small businesses, local political campaigns
Worked on video projects for corporate events

New Line Theatre- Audio Engineer **St. Louis, MO - 2006-2008**
Worked as an audio engineer for four month-long shows from March 2006 to July 2008.
Designed and researched sound effects, performed on-the-fly fixes to make up for equipment failures

Keating Theatre- Audio Engineer, Usher **St. Louis, MO - 2004-2008**
Sound engineer for live events, usher for large performances, and stagehand for general assistance.

Selected Presentations

COPPER: IR Imaging and Radiation Studies, CubeSat Developer's Workshop **Logan, Utah – August 2011**
University Nanosatellite 6 Flight Competition Review **Albuquerque, NM – January 2011**
University Nanosatellite 6 Preliminary Qualification Review **Logan, Utah – August 2010**

Computer Skills

Experienced in writing VHDL targeting Xilinx Spartan2, Spartan3/3e, Virtex5 devices
Experienced in programming C++, C#, Java, AVR assembly, C for MSP430, ATmega, 8051 series chips
Xilinx ISE development tools (including PlanAhead, ChipScope Pro, CORE Generator)
Mentor Graphics ModelSim, National Instruments MultiSim modeling software
Microsoft Office, including Excel and Visio
Experience in wide array of operating systems (Windows, Mac, Linux, Pumpkin Salvo, etc)
Proficient in internet technologies: MySQL, XHTML, CSS, Drupal development experience
Content creation software (Apple Final Cut Pro, Adobe Photoshop & Illustrator, Digidesign Pro Tools, etc.)

Honors/Activities

Amateur Radio Technician License, Callsign KD0PBP **2011-Current**
Students for the Exploration and Development of Space, Saint Louis University **2008-Current**
Elected Treasurer in 2008, Elected President in 2010

COMAP's Mathematical Contest in Modeling participant **2009-2010**
Meritorious Winner in 2010- Developed geographical profile to locate suspected serial criminal
Honorable Mention in 2009- Studied and predicted energy usage of landline and cellular telephones

Saint Louis University Television **2008-2011**
Elected Executive Vice President in 2009, Elected Technical Director in 2010

Institute of Electrical and Electronics Engineer (IEEE) member **2011-Current**
American Institute of Aeronautics and Astronautics (AIAA) member **2008-Current**