

Steven P Hughes

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Objective

To give myself full-time to an electrical, computer, or manufacturing engineering position with leadership opportunities

Education

University of Kentucky, Lexington, KY

- Bachelor of Science in Electrical Engineering, to be graduated in May 2012 (major GPA: 3.15)
- Minors in Computer Science and Mathematics
- Coursework includes alternative energy, electronics packaging, wireless communication, and lean manufacturing
- Complete academic portfolio: www.engr.uky.edu/~shugh3

Experience

Lexmark International, Lexington, KY, fall 2010 to fall 2011 (student engineer)

- Developed capacitive sensor systems, assisted power supply engineers, designed and ran fault tests

Progeny Systems Corporation (defense contractor), Somerset, KY, summer 2010 (intern - paid)

- Constructed, programmed and field-tested Aerial Canopy MASINT System equipment

Blend Production Group, LLC, Lexington, KY, summer 2008 (intern - unpaid)

- Learned HTML, CSS, practiced basic website layout and graphic design

Lean Team Manager / Team Leader, Chick-fil-A, Lexington, KY, 2005-2010

- Applied lean principles in two units, worked with lean specialists from Toyota, helped initiate a lean manufacturing proposal for 1500 units nationwide for an estimated possible corporate savings of \$3 million per year
- Worked with marketing, catering, and member training

Publications

"The Role of The Executive in Lean: A Qualitative Thesis Based on The Toyota Production System"

- S. Hughes, P. Marksberry, *International Journal of Lean Thinking*, Volume 2, Issue 2 (December 2011)

Computer Skills

Languages: C++, Perl, Python, Verilog HDL, HTML, CSS

Software: MS Office, Matlab, Simulink, LabView, Eagle, Visual Studio, iWork, Xcode, Terminal (ssh/sftp), SPICE, Xilinx

Operating Systems: Mac OS 9/X, Microsoft Windows XP/Vista/7, UNIX, Ubuntu (Linux)

Activities/Honors

Student Chapter Representative/Ambassador, International Microelectronics and Packaging Society, 2011-2012

- Attended the 44th IMAPS International Symposium on Microelectronics in Long Beach, CA, fall 2011

Electrical Systems Manager, University of Kentucky Solar Car Team, 2008-2011

- Designed and built a 1.6 kW GaAs solar array, battery management and power tracking systems, and a 5.4 kWh lithium-polymer battery pack, among other projects
- Qualified for and finished FSGP 2009 (2nd place), ASC 2010 (8th place), and FSGP 2011 (5th place)

Worship Leader, Lexington Christian Fellowship, summer 2009 to present

Vice-President, Musician, University Christian Fellowship, 2007 to present

Stanley Pigman Engineering Scholarship, fall 2007

Presidential Academic Scholarship (full-tuition), University of Kentucky, fall 2007

Finalist, Apple Scholars Program (13th of 30), fall 2007

University of Kentucky Engineering Summer Program, 2006 (high school)

- Designed a fully-automated irrigation system, won "Best Prototype" award

Assistant Electrician, Habitat for Humanity, fall 2005

Medical/Surgical Assistant, mission team to Ayutla, Guerrero, Mexico, summer 2003, summer 2006, winter 2010-2011

Lead Musician, Hope Springs Community Church Worship Team, 2002 to 2011