

Jordan Colburn

[web version: address & phone omitted]

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Summary

Obtain an Electrical Engineering position to expand upon the skills and knowledge I gained through my education

Education

- **University of Louisville** Louisville, KY
Masters of Engineering in Electrical Engineering; GPA 3.276 July 2012(Expected)
- **University of Louisville** Louisville, KY
Bachelors of Science in Electrical Engineering; with Honors; GPA:3.24 2011

Experience

- **Multimedia Project Consulting** Louisville, KY
Self Employed 2011-Present
 - Hardware/Software
 - * Adapting Open Source and DIY projects, Kits and Software for personal or business use
 - * Custom Hardware and Software
 - * Equipment Repair
 - Media
 - * Recording/Mixing/Mastering
 - * Live Sound Engineer
 - * Blog/Website design, New Media Promotion and Digital Music Distribution
- **Louisville Gas and Electric-Mill Creek Station** Louisville, KY
Electrical Engineering Co-Op I, II and III 2009-2010
 - 4 Unit Coal fired power plant with a 514 MW capacity
 - Upgraded plant emergency DC batteries and charging system
 - Strong contributor to software upgrade on distributed control system (Honeywell) for major plant processes.
 - Responsible for control system GUI interface consistency and helping validate system integrity before taking online.
 - Developed custom scripts to combine equipment output files to allow data to be analyzed
 - Completed selection of control room equipment taking into account quality, reliability, availability, and budget.
 - Prepared for OSHA safety audits by gaining knowledge of the standards, discovering any potential inconsistencies, creating database communicating any unofficial findings, and validating resolution.

Skills

Programming: Strong background: C, VHDL, Assembly for Motorola 68HC11, Pure Data, LabVIEW, MatLab. Basic Experience: Python, Processing, Java, Objective C, and HTML

Digital: Motorola 68HC11, PIC and Arduino microcontrollers, Xilinx Spartan 3E FPGA

Analog: Active Network Design for Audio Amplifiers and Crossovers, Linear Power Supply Design, Plasma Speaker, Spice Simulation

IC: Hands on experience: MEMS fabrication processes, Fabricated a piezoresistive pressure sensor, Basic knowledge of L-Edit

Activities and Honors

Academic: Grawemeyer Scholar (highest academic scholarship at University of Louisville), ACT Score of 33

Leadership: Eagle Scout, Kentucky Governors Scholar, Speed School Engineering School Leadership Academy 2007

Activites: Worship Arts Team at Springdale Community Church (Play keyboards and sax, run sound, video director and run cameras), Drum set and piano player for UofL Wesley Foundation, University of Louisville Pep Band (currently) and Marching Band (for two years), 1st Place award in University of Louisville WeRock Movie Competition (wrote and recorded score and helped write/direct/edit video), Louis Armstrong National Jazz Award