

Jordan Colburn

[web version: address & phone omitted]

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Objective

Seeking an entry-level position in Electrical Engineering to build upon my education and become a contributor

Education

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

Experience

- **University of Louisville-Electrical and Computer Engineering Dept.** Louisville, KY
Grader for ECE 420, Linear Signals and Systems *Spring Semester 2012*
 - Assess student work for accuracy, academic integrity, and assign grades
 - Provide notes to assist students in understanding and correcting mistakes
 - Archive examples of student work for ABET Accreditation purposes
- **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 Experience: C, VHDL, Assembly for Motorola 68HC11, LabVIEW, Pure Data, MatLab, Windows, Mac, Linux. 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. Audio MEMS Independent Study. 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