Jordan Colburn

jordancolburn@gmail.com
www.jordancolburn.com

Objective

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

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