

# Anthony P. Gilberti

(address and phone number redacted, please contact via email only)

Email: anthony@gilberti-industries.com

## ELECTRICAL ENGINEER

Objective: Looking for an Entry Level Electrical Engineer position to utilize my Bachelor of Science Degree and offers an opportunity to learn additional skills.

### ACADEMIC QUALIFICATIONS:

Bachelor of Science in Electrical Engineering, May 2011  
Southern Illinois University at Carbondale, Carbondale, IL 62901  
GPA: 3.15 / 4.0

### RELEVANT SKILLS:

Firm understanding of C/C++, PLC Ladder Logic, and MATLAB's scripting language.  
Ability to design and analyze analog circuits, especially circuits comprised of op-amps.  
Exceptionally skilled in the use of EagleCAD PCB layout software.  
Understand basic power distribution and power factor compensation.  
Experience with circuit analysis software such as Cadence and PSpice.  
Skilled in the use of various shop tools and electronic diagnostic devices.  
Experience in leadership roles and delegation of duties.  
Strong communication skills, both written and oral.

### EXPERIENCE:

**Adjunct Instructor, Fairmont State University, Fairmont, WV** Jan 2012-May 2013  
Administered multiple electrical engineering technology classes for the Spring 2012, Fall 2012, and Spring 2013 semesters. Classes taught include Circuits I, Circuits II, Linear Devices, Advanced Linear Devices, and Shop Practices. I also assisted in the administering of a Programmable Logic Controllers class. This employment opportunity was particularly helpful to me as it solidified many of the concepts I had learned in school and helped me see real-world applications for the theories emphasized during my education. This translated into a better understanding of the material by my students, especially in classes with a lab component.

**PCB Design Engineer, Aretas Sensor Networks, Mackenzie, BC** Sept 2011-Aug 2012  
Contractual work. Primary duties included taking schematics provided by the prototype testing and development team, redrawing them using EagleCAD's schematic editor, and turning the resulting schematic into printed circuit board designs for testing and manufacturing. Secondary duties included researching components and making part recommendations for future designs.

**Owner, Gilberti Industries**

Aug 2009-Present

Via the Internet and my own personal website, I have engaged in a series of hobbyist pursuits focused about electrical engineering, which I then freely share with others, often under open-source licenses. I have also provided PCB layout services under contract to other companies and manufactured and sold short runs of my own designs or improvements of others open-source designs. My crowning achievement thus far has been the production and sale of a music making device based around the Arduino platform, of which I sold 68 units to customers world-wide.

Website: <http://www.gilberti-industries.com/>

Product Link: <http://www.gilberti-industries.com/for-sale/>

**Cashier, McDonald's, Marshall, IL**

May 2009-Aug 2010

Summer employment. Operating register, greeting customers, assist in cleaning duties.

**Courtesy Associate, Wal-Mart Supercenter, Marshall, IL**

May 2008-Aug 2008

Summer employment. Assisted customers as needed. Tasks included returning shopping carts from the parking lot to the store, propane tank exchanges, and general stocking duties.

**1<sup>st</sup> Horn, Marshall City Band, Marshall, IL**

May 2003-Aug 2010

Paid position included practice and weekly concert performances during the summer.

**Affiliations:**

Member of IEEE, 2010-present

Golden Key International Honor Society, 2009-present

General Member of SIUC IEEE Chapter, 2008-2011

**Awards/Honors/Certifications:**

State of Maryland Engineer in Training, 2012-present

Provost's Award for Academic Merit, SIUC, 2007-2008

Illinois State Scholar, State of Illinois, 2007

Eagle Scout, Boy Scouts of America, 2006

**References:** Available Upon Request