

Kyle Johnsonbaugh

Electrical Engineer / Project Manager

Cherry Hill, NJ - Email me on Indeed: [indeed.com/r/Kyle-Johnsonbaugh/7a9e919a61d42ea9](https://www.indeed.com/r/Kyle-Johnsonbaugh/7a9e919a61d42ea9)

WORK EXPERIENCE

Electrical Engineer / Project Manager

Sensonics International - Haddon Heights, NJ - June 2015 to January 2016

- Reverse engineered / repaired non-functioning 40 channel odorant delivery unit
- Designed and Engineered 12 channel odorant delivery unit
- Designed PCB signal relay device and coordinated construction with contractor
- Designed and coordinated construction of electrical housing with contractor
- Lead the Electrical and Mechanical engineering departments
- Coordinated the Software and Chemical engineering departments
- Interacted with customers to design custom odor delivery units
- Interacted with customers on post-purchase support

Product Engineer

Drexel Co-Op - Philadelphia, PA - February 2014 to October 2014

- Supported design/testing/modification of IGBT power inverter control PCBs
- Coordinated construction of control system functionality testing PCB hardware
- Designed product testing and modification accountability tracking system
- Designed new employee training program
- Materials billing and product shipping
- Solder equipment repair / maintenance
- Coordinated lab equipment/tools upgrade

Drexel Design Project

Chameleon Polychromatic Guitar Tuning System (Chameleon LLC)

During this year long project I invented a propriety method of Signal Processing to capture and alter an electric guitar signal frequency in real time. In normal operation the guitar strings are tightened to a tension known to produce a specific frequency set (i.e. the 'standard' tuning). If a different tuning is required the string tensions must be adjusted manually. The device captures the 'standard' frequency signal and outputs a signal with a different frequency. This allows the guitarist to change tunings without ever physically adjusting the tension on the guitar strings.

EDUCATION

Bachelor of Science in Electrical Engineering

Drexel University - Philadelphia, PA

June 2015

Associates of Science in Engineering

Burlington County College - Mount Laurel, NJ

December 2012

Associates of Science in Mathematics

Burlington County College - Mount Laurel, NJ

May 2012