

Kyle Kelly

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<https://kyle-kelly.github.io/>

Electrical engineer with 2 years of professional experience, project experience and a strong background in electronic design and printed circuit board layout. Pursuing a graduate degree in electrical engineering with an interest in embedded systems. Desire to work in a small team where contribution is critical and learning from team members with tangential skill sets is beneficial.

Education

University of Maryland: A. James Clark School of Engineering	College Park, MD
M.S. Electrical Engineering	May 2017
GPA: 3.4	

The Ohio State University: College of Engineering	Columbus, OH
B.S. Electrical Engineering	December 2012
GPA: 3.4	

Technical Work Experience

Electrical Engineer, Tetracore Inc.

June 2013 - July 2015

- Lead Electrical Engineer for the electronic design and PCB layout of a centrifuge device
- Reviewed schematics and board layouts for correct circuit logic and good layout practices
- Worked to ensure a medical device met FCC and CE regulatory compliance standards
- Collaborated with Manufacturer and Mechanical Engineer to design for manufacture
- Provided electrical and mechanical debugging support on all medical devices

Project Experience

Vehicle Security Research & Independent Study, UMD with Ford June - December 2016

- Worked with UMD faculty and Ford advisors to manage a team of undergraduate students
- Developed an architecture to display vehicle data in a lab in real-time
- Wrote firmware for Ford's hardware to investigate vehicle security vulnerabilities
- Managed the creation of an Android application that leveraged a Ford vehicle dataset

Skills

- *Programming Languages*: C, Python, HTML and CSS (Intermediate)
- *Software*: OrCAD Capture Schematic and PCB Editor, MATLAB, Arduino, SolidWorks (Intermediate), Code Composer Studio (Intermediate), Microsoft Office
- *Laboratory*: soldering, debugging with an oscilloscope, breadboarding