

Kyle Kelly

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Electrical engineer with 2 years of professional 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. Comfortable working in a small team where contribution is critical and learning from team members with tangential skill sets is beneficial.

Education

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| University of Maryland: A. James Clark School of Engineering | College Park, MD |
| M.S. Electrical Engineering | Expected: May 2017 |
| The Ohio State University: College of Engineering | Columbus, OH |
| B.S. Electrical Engineering GPA: 3.4 | December 2012 |

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 and Independent Study, The University of Maryland with Ford

- 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 using OpenXC
- Wrote firmware for the OpenXC hardware to investigate vehicle security vulnerabilities
- Managed the creation of an Android application that leveraged the OpenXC 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