

Kyle Goodrick

WORK EXPERIENCE

August 2017 – Present

University of Colorado Boulder

Boulder, CO

Research Assistant with the Colorado Power Electronics Center. Conducting research focused on optimization of networks of power electronic converters.

May 2019 – August 2019

National Renewable Energy Lab

Golden, CO

Internship for the Power Systems Engineering Center's Integrated Devices and Systems group. Conducted research for optimization of three-phase inverters with a focus on reducing the levelized cost of energy.

January 2016 – June 2017

University of Tennessee Knoxville

Knoxville, TN

Power Electronics Research with the Center for Ultra-Wide-Area Resilient Electric Energy Transmission Networks. Projects involving characterization of Wide Band-Gap Semiconductors and converter design.

August 2015 – December 2015

Oak Ridge National Laboratory

Oak Ridge, TN

Internship with the Energy and Transportation Science Division conducting research with big area additive manufacturing and tool path generation software.

March 2015 – July 2015

Siemens AG

Munich, Germany

Internship with Corporate Technology Division conducting research with wireless networks and location, Python Software Development

January 2014 – August 2014

Oak Ridge National Laboratory

Oak Ridge, TN

Internship for the Volkswagen Distinguished Scholars Program. Main project: Tool Path generation software for Large Scale Additive Manufacturing.

📍 | Boulder, CO

✉ | Kyle.Goodrick@Colorado.edu

EDUCATION

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|-------------|---|
| 2017 – | University of Colorado Boulder
PhD Electrical Engineering
Power Electronics Focus |
| 2017 – 2020 | University of Colorado Boulder
MS Electrical Engineering
GPA: 3.9 |
| 2011 – 2017 | University of Tennessee
BS Electrical Engineering
GPA: 3.9
Minor: German
Chancellor's Honors Program |
| 2014 – 2015 | Munich University of Applied Sciences
Study Abroad |

SKILLS

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|-------------|---|
| ENGINEERING | Power Electronics Hardware & Control Design, Optimization |
| SOFTWARE | Altium, Python, MATLAB, git, LTSpice, Microsoft Office, \LaTeX , SCPI, C*, Solidworks, Autodesk Inventor, Simulink, PLECS |
| LANGUAGE | English: Native, German: B2 |

EXTRACURRICULAR ACTIVITIES

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|-------------|--|
| 2017 – | IEEE PELS Denver Chapter
2018 - : Treasurer |
| 2017 – | CU Hiking Club |
| 2012 – 2017 | UT Canoe & Hiking Club
2016 - 2017: President
2015 - 2016: Vice President
2013 - 2014: Treasurer |
| 2015 – 2017 | IEEE PES/PELS Student Chapter
2015 - 2017: Vice Chairperson |