

Daniel Rodriguez

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Education

West Virginia University – B.S. in Electrical Engineering; Graduated May 2018

Experience

University of Iowa Electrical Engineer November 2024 – Present Iowa City, IA

- Asset Optimization Services – Building Operations and Maintenance
- Technical Project Support – Design & Construction

KONE Electrical Engineer June 2018 – October 2024 Moline, IL

- Life Cycle Management – Spares
 - Technical engineering support to Spares team
 - Product change monitoring and development
- Sales Application Support – Modernization Team
 - Technical analysis of electrical elevator design
 - SAP experience ordering material from factory
 - VBA and Python tool development

EcoCAR3 August 2017 – May 2018 Morgantown, WV

- Work to redesign a 2016 Chevrolet Camaro to be more environmentally friendly
- PCBA design
 - Design and Simulation in OrCAD PSpice and Autodesk EAGLE
 - Prototyping and Manufacturing through OSH Park
- LV Wiring and Harness Refinement and Documentation
 - Wire Rerouting and Documentation
 - Harness functionality verification

Data Analysis for WVU Faculty January 2017 – April 2019 Morgantown, West Virginia

- Mathematical data analysis of experimental data using Matlab and Excel
 - Algorithm generated to create curve of best fit functions for sets of data
 - Derivative and average function values later applied to curves
 - Algorithms generated for patient data analysis in Excel data sheets
- Weekly meetings going over the math and curves received from data
- Data obtained from analysis used in publication in the AACR Journal
 - <https://clincancerres.aacrjournals.org/content/25/7/2336>

Swim Coach 2013 – February 2019 Bettendorf, Iowa and Morgantown, West Virginia

- Practice planning to have each swimmer excel through season
- Conversing with parents to help explain the sport
- Teaching children how to swim

NCAA D1 Swimmer at West Virginia University 2015 – February 2018 Morgantown, WV

- Time managing training, meetings, and competition along with perusing a degree
- Competitive drive to work harder to get better
- John E. Law Award Recipient for outstanding character