

## COLIN LESNAR

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### EDUCATION

University of Minnesota Duluth

Bachelor of Science **Electrical Engineering** December 2014 GPA: **3.34/4.0**

**Minors:** Computer Science, Mathematics

### COURSE WORK

Computer Architecture

Dynamical Systems

Software Analysis and Design

Electromagnetics

Electronics II

Advanced Writing for Engineers

### EXPERIENCE

**Co-op, Rosemount Pressure Design**, Chanhassen, MN May 6, 2013 to August 29, 2013

- Developed Electromagnetic Compatibility Test Software.
  - Interfaced with Rosemount industrial transmitters and lab equipment for simulating different EMI situations and collecting analog and digital data
  - Engineered robust solution for adding new functionality and future improvements to test software
- Provided training to electrical and software engineers

**Co-op, Rosemount Electrical Supply Chain**, Chanhassen, MN January 7, 2013 to May 3, 2013

- Investigated root cause of solder joint defects to improve reflow soldering process in printed circuit assembly prototyping area
- Engineered a method for estimating future temperature profiles.
- Researched conformal coatings: materials, processes, advantages / disadvantages and presented research to department electrical and mechanical engineers
- Analyzed production data to display need for manufacturing tests

**Volunteer UMD Physics Tutor**, September 2012 – December, 2012

- Instructed students on the concepts of physics and helped develop students' problem solving skills

### TECHNICAL SKILLS

C#

C++

Java

Mathematica

Visual Studio

Pspice

MATLAB

Assembly language

### ACTIVITIES / INTERESTS

**Programming:** Board Game Quoridor

**Electromagnetic Oscillator** Designed and constructed small Tesla Coil. Challenges: tuning, circuit protection, and availability of cost effective materials.

**Member** IEEE Power and Energy Society Worldwide 2011 – Present

**Member** UMD North Shore Climbing Club 2010 – Present