

# Brian R. Ellis

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## EDUCATION:

**Bachelor of Science in Mechanical Engineering**  
University of New Hampshire, Durham NH

2017

## TRAINING:

**Hubbell Emerging Leaders**

Feb – Sept 2019

## SKILLS:

- Project Management
- Product Design
- Leadership (small team)
- Communication
- Adaptability
- Bookkeeping

## SOFTWARE/HARDWARE:

- Inventor
- SolidWorks
- MatLab
- Simulink
- SAP
- Microsoft Office (Excel, PowerPoint)

## PROJECTS:

**Senior Capstone - Underwater Remotely Operated Vehicle (U.R.O.V)**

**Objective:** Design and fabricate an underwater remotely operated vehicle to act as a platform for future masters/doctoral Oceanographic and Control Systems research.

**My Role:** Preliminary theoretical analysis of a Linear Quadratic Regulator that would be utilized for autonomous stabilization in turbulent conditions. Management of all financial requirements, including material quotation/acquisition, grant writing, and end of year financial reporting.

## WORK EXPERIENCE:

**Burndy LLC, Manchester NH - Associate Engineer/Focus Administrator**

07/17 - Pres

- Orchestrating the design, quotation, and production of specialized electrical connectors and tooling assemblies in order to meet customer demands and deadlines.
- Actively providing solutions to field sales representatives serving several markets including Utility, Telecom, OEM, Grounding, Substation, Transmission, and Tooling.
- Providing engineering support on Design to Value, New Product Development, and Line Maintenance engineering projects.

**Jabil Inc, Dover NH - Mechanical Engineering Co-op**

10/16 - 05/17

- Supporting Industrial/Mechanical Engineering Staff during establishment of flagship automated manufacturing facility focused in production of athletic footwear.
- Managed multiple projects focused in process optimization for product quality and reduction in set-up time.
- Assisting engineering staff in analyzing nonconforming product.

**Seabrook International, Seabrook NH - Manufacturing Engineering Co-op**

05/16 - 08/16, 06/17

- Orchestrating Engineering Changes to optimize manufacturing processes, update manufacturing solid models/drawings, inspection documentation, and operator set-up sheets.
- Generating Work Instructions for manufacturing processes.
- Constructing and Editing 3D models, assemblies, and drawings of press, assembly, and EDM Wire fixtures and electrodes.

**R&L Engines, Dover NH - Shop Assistant**

7/15 - 10/16

- Engine transport/delivery, engine head assembly/disassembly, extensive part cleaning using thermal oven system, sand blaster, and ultrasonic cleaning tank, basic machine preventative maintenance.