

**George Coffin**  
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## PROFILE

To explore new challenges and opportunities in the manufacturing or design field, where I can use my mechanical engineering and science background as a primary tool.

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## SKILLS

- Vast experience with business operations – from laboratory testing, production and Lean manufacturing knowledge to quality assurance, customer service and inside technical sales
- Technical writing of processes instructions to increase manufacturing repeatability, quality
- Computer skills:
  - Proficient in use of Microsoft Office (Excel, Word, Access, Outlook, PowerPoint)
  - Usage of SAP, BPCS computer systems
  - CAD software such as SolidWorks, AutoCAD, Siemens NX
- Works well with people – very easily builds beneficial work relationships. Believes teamwork is essential to success, and works to get the best out of all members

## WORK EXPERIENCE

**Von Roll USA, Inc.**, Schenectady, NY

*Manufacturing Process Engineer*

Nov. '16 – Sept. '17

- Large scale chemical/electrical insulation manufacturing – writing process instructions, batch cards, worked with shop employees on optimizing work processes in value stream
- Quality test experience:
  - Resins - viscosity, pH, gel time, hardness, cure time, use of condensation reactor system
  - Tapes - roll tension, tack level, % solids, stiffness, stress/strain, shrink %
- Knowledge of electrical insulation systems, regarding product application and manufacturing
- Continual efforts to improve efficiency throughout all connected processes using 5S methods, batch and product flow analysis, level scheduling
- Reduced wasted labor time through warehouse optimization/organization
- Past ASTM participating member

*Technical Support Manager*

Sept. '14 - Nov. '16

- Coordinated with customers, customer service, sales team, and quality department to handle a wide array of complaints, questions and concerns
- Performed internal quality audits, received ISO 9001:2008 certificate in May 2015
- Decreased time frame for customer returns and credits, created formulaic procedure
- Fully responsible for pricing catalogue, from calculations to record keeping

**Ultradian Diagnostics**, Rensselaer Polytechnic Institute - Troy, NY

*Intern/Team Member*

Spring 2014

- Designed, 3D printed and tested a wearable glucose monitor encapsulation prototype
- Reported on snap-fit design of product using cantilever bending stress analysis of plastics
- Presented findings in front of funding partners, suggested design alterations for future iterations

## EDUCATION

**Rensselaer Polytechnic Institute** – Troy, NY

Achieved May 2014

B.S. in Mechanical Engineering

**University at Albany, SUNY** – Albany, NY

Achieved May 2012

B.S. in Physics

Minor: Math