

**Rebecca Wheeler**  
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## **Education**

***Bachelors of Science in Chemical Engineering***, May 2015  
University of Florida, Gainesville, Florida  
Minor in Women's Studies

## **Experience**

**Intern**, Fall, 2014

Florida Tech Toy Box, Gainesville, Florida

- Partner with business clients to develop innovative ideas for their patents. From these ideas, create early-stage, proof-of-concept prototypes through various machining methods.
- Develop and utilize CAD drawings for 3D-printing and molding that are used for constructing working models.
- Specifically, work as project leader to design and build new valve for client. Design parameters include appearance, sizing, materials, and fittings with pre-existing pieces.

**Technical Assistant**, May, 2011 – August, 2013

Bay To Bay Balancing, Inc., Tampa, Florida

- Developed field test protocols for building automation systems through the review of the owners' project requirements and the project's contract documents.
- Participated in design review of the HVAC system with regards to its ability to be properly commissioned and balanced. Documented findings in technical reports which included recommendations to address deficiencies.
- Developed spreadsheets to analyze parameters during the course of building commissioning. Variables included total, latent and sensible BTUs, entering and leaving dry-bulb and wet-bulb temperatures through heat transfer devices and static pressure profiles of fluids within a closed conduit.
- Compiled, edited, and assembled final reports and transmitted them to the clients.

## **Professional and Academic Affiliations**

Society of Women Engineers  
Gainesville Student Volunteers Club  
-Fundraising Chair  
-President

## **Skills**

UNISIM, FreeCAD, SACH E Safety Certificates, VBA for Microsoft, Microsoft Office Suite