



**Danielle Goldberg, Research Associate**

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## **PROFESSIONAL EXPERIENCE**

**Synapse Energy Economics Inc.**, Cambridge, MA. *Research Associate*, February 2017 – Present

Conducts research and provides consulting on energy sector issues, with a focus on data, programs, policies, and technologies related to energy efficiency, renewables, and electricity generation.

**Helping Overcome Obstacles Peru**, Arequipa, Peru. *School Coordinator, English Teacher*, May 2016 – July 2016

Managed daily operation of the school and organized school functions, including assemblies and field trips. Acted as liaison between office staff, volunteers, and parents, communicating in both Spanish and English. Developed and led custom lesson plans to teach English to children ages 3-6.

**Allen Medical Systems**, Acton, MA. *New Product Development Co-op*, January – June 2015

Designed lifecycle tests for arm traction device adhering to medical standards. Worked with pneumatic and electromechanical equipment. Developed extensive test documentation detailing calculations and procedures for load profiles and estimated lifetime usage. Created parts, drawings, and assemblies for design prototypes.

**Bose Corporation**, Framingham, MA. *Design Compliance Engineering Mechanical Test Co-op*, January – June 2014

Performed design validation testing on audio and visual products. Conducted environmental and dynamic testing, such as thermal testing, transportation testing, drop testing, and surface damage testing. Responsible for calibrating the UV Weatherometer chamber and preparing salt solutions for the salt spray chamber.

**Amphenol Alden Products**, Brockton, MA, *Mechanical Engineering Co-op*, January – June 2013

Completed extensive formal training in the fundamentals of SolidWorks for 2D and 3D modeling followed by application of software. Performed tolerance analyses and proposed changes based on the results. Assessed severity of micro-cracks in electrical connectors using advanced lab equipment.

## **EDUCATION**

**Northeastern University**, Boston, MA

Bachelor of Science in Mechanical Engineering, 2016. *Cum Laude*.

*Resume dated February 2017*