

Sarah Garberg

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2018 Lehigh graduate with a Bachelors in Mechanical Engineering, currently enrolled as a graduate student in the Masters in Technical Entrepreneurship program. Experienced teaching assistant with a demonstrated history of problem-solving and team management skills.

EMPLOYMENT EXPERIENCE

EcoTech Marine, Allentown PA — Manufacturing Intern

JUNE 2017 - MAY 2018

- Managed redesign of the new machine shop
- Reconstructed Bridgeport Vertical Mill
- Monitored the sale of machines and machine tools
- Asked to continue employment after initial summer internship

Lehigh University, Bethlehem PA — Technical Entrepreneurship Capstone Project

JANUARY 2017 - DECEMBER 2017

- Designed and prototyped a laser headlight during a project that spanned two semesters through the Technical Entrepreneurship Department
- Elected by team members to be business liaison to project sponsor, EcoTech Marine
- Team member in charge of understanding physics of laser and optimizing internal optical cavity
- Completed CAD models of individual pieces and final assembly; 3D-printed examples for presentations

Lehigh University, Bethlehem PA — Teaching Assistant for the Mechanical Engineering Department

SEPTEMBER 2016 - DECEMBER 2016

- Assistant to the Professor of Graphics for Engineering Design
- Evaluate homework and projects of the and hold office hours to ensure students understand concepts

Partners Healthcare at Home, Boston MA — Documentation Associate

SUMMER 2014

- Responsible for working with physicians and case management at Newton Wellesley Hospital to complete and collect home health care order documentation
- Successfully reduced overall backlog of missing documentation by 25%

EDUCATION

Master of Engineering in Technical Entrepreneurship

Lehigh University, Expected 2019

Bachelor of Science in Mechanical Engineering

Minor in Energy Engineering

Lehigh University, Received 2018

COURSEWORK

Fluid Mechanics

Nuclear Fusion and Radiation

Nuclear Reactor Engineering

Clean Coal Technology

Renewable Energy

Gas Dynamics

COMPUTER SKILLS

Microsoft Office, MatLab, Siemens NX, Solidworks

EXTRA-CURRICULARS

Member of the Epsilon Rho chapter of Kappa Alpha Theta

Member of Belly Dance Club and Latin Dance Club

Social Chair of the Belly Dance club