

*Educational Experience:***The Pennsylvania State University** (University Park, PA) 2013 - 2017

Graduation: Bachelor of Science degree in Physics; plans for graduate school at Tufts University, Fall 2018

Notable Course Experiences:

- programming in MATLAB, C++
- fluid & thermal physics
- computational physics
- engineering design
- effective technical writing
- quantum physics & wave motion
- medically applied nuclear physics
- theoretical mechanics

*Job Experience:***Bridge12 Technologies, Inc.** (Framingham, MA) May 2017 - Present**Control Systems Engineer** (August 2017 – Present)

- Responsible for engineering the control systems of assorted radiation technologies
- Writing algorithms and developing software revolving around nuclear physics and wave motion
- Hardware research, selection, and design

Research and Development Intern (May – August 2017)

- Assisted in hardware design and acted as sole software engineer for control system and user interface of a high frequency signal monitoring system
- Researched hardware for major projects involving radiation technology

Penn State - Department of Physics (University Park, PA) January - May 2016**Teaching Assistant**

- Responsible for the instruction of physics curriculum and grading of assignments
- Required exceptional communication skills

Gannett Company, Inc. (McLean, VA) May - August 2015**Data Entry Associate**

- Assisted with data and file consolidation and organization during divisional corporate entity split
- Massively overhauled the legal records database

Penn State - South Food District (University Park, PA) March 2014 - October 2015**Student Supervisor** (December 2014 - October 2015)

- Responsible for the oversight of student employees and management of assigned stations
- Demanded strong leadership and teamwork ability

General Student Employee (March 2014 - December 2014)

- Assigned to a wide variety of tasks at multiple dining locations within a single food commons
- Responsibilities included food preparation, serving, and inventory management

Extracurricular:

Society of Physics Students (Member) 2015 - Present

Pennsylvania State University Crew Team (Member) 2014 - 2015

Notable Technical Skills

- proficient in MATLAB, HTML, C++, Java, CSS, Git
- proficient in AutoCAD, MS Office, SolidWorks, Adobe Suite, Inventor
- experienced building with and developing for several different integrated circuits and operating systems using a variety of communication protocols

Personal Characteristics

- strong communication skills
- exceptional work ethic
- energetic and positive
- team oriented