

# Garrett Wendel

Current Address:  
3 McKee  
University Park, PA 16820

gmw5164@psu.edu  
814-594-7648

Permanent Address:  
109 Villa Road  
St. Marys, PA 15857

## OBJECTIVE:

To work and gain experience in a research based environment involving Nuclear Engineering and Nuclear Sciences.

## EDUCATION:

Bachelors of Science: Nuclear & Mechanical Engineering  
Minor: Physics  
**The Pennsylvania State University**, University Park, PA

May 2019

## SPECIAL SKILLS:

2D (AutoCAD) and 3D (Solid Edge) drafting software, Java, C++, Visual Basic

## EDUCATIONAL EXPERIENCE:

- **Engineering Design**  
Organized and lead a team tasked with building a device to allow someone to “walk on water” by designing and building a buoyant object to best complete the task.
- **Penetration Testing**  
Independently tested my high school’s network security under supervision of the IT department identifying various flaws. Met and worked with Motorola Engineers to present a flaw in their wireless security system and work on solutions.
- **Research**  
NSF funded research on mosquitoes and mosquito pathogen *Wolbachia*. Research focused on how introduction of this pathogen to mosquitoes could reduce transmission of disease such as malaria from mosquitoes to humans.

## EXPERIENCE:

- **Construction Worker** June-August 2015  
Analyzed building prints, poured concrete, ran various power tools. 60hr/week
- **Lifeguard** June-August 2011-2014  
Lead and organized swim lesson instructions for others to carry out at local Red Cross Swim lessons. Certified in First Aid and CPR.