

# Joshua Booth

326 East Burd Street Apt. 2, Shippensburg, PA 17257  
Phone: (717) 494-6466 Email: boothjmail@gmail.com

## Education:

- McConnellsburg High School; McConnellsburg PA Graduated June 2018
- Fulton County Area Vocational Technical School's Computer Repair / Networking
- Shippensburg University, B.S. for Computer Engineering; 3.99 GPA Graduating May 2022

## Work Experience:

- United States Naval Research Laboratory Employee Summers of 2017-2019
  - Worked on Tri-service Synthetic Biology Project using machine learning to identify promoter sequences and co-published an infographic on the topic.
  - Synthesized data for my internally-published paper, "Machine Learning in Radio Frequency Communications."
  - Used machine learning on satellite imagery for object detection, setup Kubernetes clusters and Pachyderm pipeline for rapid network prototyping
- Central Fulton School District Help Desk Technician 2015-2017
  - Managed and completed computer-related help desk tickets, collaborated with others in the program to quickly resolve complex issues
- Independent contractor 2016-2020
  - Designed and built websites for Buchanan Trail Sporters LLC, boothapartments.com, and marqoapp.com using Django with SQLite or Postgres backends
  - Replaced/repaired components for varying models of iPhones
  - Constructed pipeline to autonomously identify equipment problems based on client/technician email dialogue

## Engineering Skills and Projects:

- Programmed serial communications using checksums between a Raspberry Pi and a specialized module for reading outputs of oil wells using C
- Implemented home security using Raspberry Pi cameras to have motion detection and facial recognition using libraries in both Python and C++
- Repaired cracked cylinder head in a car
- Designed and stick welded together a racing simulator assembly

## Certifications/Achievements:

- CompTIA A+ Certified
- OSHA Certified
- Eagle Scout
- Salutatorian
- Active Security Clearance
- Ranked 5th Nationally in SkillsUSA Competition for the Information Technology field
  - State champion and district winner in SkillsUSA Competition for the Information Technology field
- 2017 Pennsylvania State Track Meet 300m Hurdles Champion

References available upon request