

Aaron Brandel

Engineering Student at Virginia Tech

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Education

Virginia Polytechnic Institute and State University B.S. Electrical Engineering, GPA: 3.8/4.0

May 2019

Germanna Community College Associate of Science Electrical Engineering, Summa Cum Laude, GPA: 4.0/4.0

August 2017

Skills & Expertise

Electrical Circuit Design and Analysis

Machine Learning

Cybersecurity

Electromagnetic Fields/RF

Analog/Digital Signal Analysis

Electronics Development and Utilization

Team, Small Group, and Project Leadership

Inventor/LTspice/Github

Power Electronics and Systems

C++/C/Python

ITIL Certified

AWS (Business, Technical, and TCO Accredited)

Microcontroller Interfacing

Agile (Scrum)

Applied Software/Hardware Design

Embedded Systems

Communication Signals/Networks

Teamwork

Experience

Application Developer Intern for Unisys Federal. Reston VA

June 2018 – August 2018

- Developed a machine learning application
- Utilized AWS, especially Sagemaker, for data correction to assist with fraud detection.
- Worked as part of a scrum team alongside managers, developers, and data scientists to develop iterative software.

Student Assistant Manager for D2 Dining Hall, Virginia Tech Dining Services. Blacksburg VA

September 2017 – May 2018

- Train and manage other employees.
- Handle financial matters as a cashier while providing a friendly environment.
- Work as part of a team to handle issues and provide an excellent experience for all guests.

Lifeguard at Kids First Swim School. Fredericksburg VA

October 2014 - October 2016

- Teaching kids how to swim using the Kids First “learn to swim system”.
- Ensuring the safety of everyone in the pool.

Instructor for Camp T. Brady Saunders, Heart of Virginia Council, BSA. Goochland VA

June 2015 – July 2015

- Responsible for and managed a high-risk aquatics area, keeping track of participants, supervising, ensuring safety, and resolving issues.
- Accountable for boating and safety equipment maintenance and inventory.
- Provided Lifeguarding and taught boating, swimming and lifesaving.

Awards and Volunteer Experience

Junior Commander, 2017 Royal Rangers

Gold Medal of Achievement, 2016 Royal Rangers

Highest GPA 11th and 12th Grade, 2013-2015 Grace Preparatory High School

Eagle Scout with Gold Palm, 2012 Boy Scouts of America
