

JOSH HOLT

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[GitHub](#) | [LinkedIn](#)

OBJECTIVE

To obtain a role with an organization that will effectively utilize my passion and expertise in data science and analytics while also allowing me to develop further as a professional

TECHNICAL EXPERTISE

Modeling and Visualization

- Python 3
- MySQL
- Git / GitHub
- Pandas
- NumPy
- Matplotlib
- SciPy
- Scikit-learn

Cybersecurity

- Burp Suite
- Cobalt Strike
- Nmap/Zenmap
- Metasploit
- Linux OS
- VMware
- VirtualBox
- Nessus

Network Administration

- Microsoft Office
- Active Directory
- pfSense firewall
- OpenVPN
- Wireshark
- Autopsy
- Command Line
- PuTTY

CERTIFICATIONS

- **Data Science Certificate** – Codeup, March 2023
An accredited, project-based 20-week career accelerator that provided over 670 hours of expert instruction in applied data science. Acquired expertise across the full data science pipeline and became comfortable with real, messy data to deliver actionable insights to diverse stakeholders.
- **Cyber Security Career Study Certificate** – Northern Virginia Community College, May 2022
Classes: Python Coding, Network Security, Firewalls, Software Design, Linux System Administrator, Computer Forensics, Gateways to the Deep Dark Web, Attacks Crime and Hacking, PC Troubleshooting.

DATA SCIENCE PROJECTS

[GOOD BILL HUNTING NLP CLASSIFICATION PROJECT](#) (GROUP)

- Acquired all federal legislation from 2001 to 2022 and led the development of models to predict if legislation would hit the political sweet spot.
- Orchestrated the design of this project to align with the sponsor's political party and obtained bipartisan support, achieving success with both models scoring 71%, above the target baselines of 60% and 67%.

[SPEAKEASY CASINO NLP CLASSIFICATION PROJECT](#) (GROUP)

- Operated with a strong focus on learning the NLP pipeline with other team members and spearheaded the creation of a ML model to predict the primary coding language used in a GitHub repository based only on their README, leveraging used repositories with the theme "Blackjack."
- Achieved substantial success with the final decision tree model scoring 78% on the test data set, 24% above the baseline of 54%.

[PREDICTIVE MAINTENANCE PROJECT](#) (INDIVIDUAL)

- Led the development of this project to predict equipment failure when given the physical properties.
- Utilized the Random Forest machine learning model to reduce recall incidents by 89% with a minimal amount of false positive occurrences to minimize equipment downtime.

WINE QUALITY PREDICTION PROJECT (GROUP)

- Closely collaborated with other team members to identify key features impacting wine quality before analyzing these features and developing an ML model to determine a quality rating.

PROFESSIONAL EXPERIENCE

EXELON, LUSBY, MD, JULY 2016 TO FEBRUARY 2020

REACTOR OPERATOR

- Carried out the adjustment of controls to regular reactor power levels, coolant temperatures, and generator loading for continuous delivery of electricity to our customers while complying with federal regulations.
- Closely collaborated and coordinated with the Transmission System Operator (TSO) to parallel, change, or separate the 900 MWe Main Generators with the 500-kV power distribution grid to maintain a high-quality power distribution system.
- Furnished coaching and mentoring to reactor operator trainees and provide supervision while they operated live plant equipment, as well as sharing knowledge and expertise.
- Handled the ongoing updating and maintenance of the control room log, an audited legal document which catalogs all evolutions, events, equipment configurations, and requirements through the lifetime of the power plant.
- Served in an integral role by administering \$250k per year in Operations supplies while maintaining records in a Passport database to ensure compliance with Title 10 of the Code of Federal Regulators.

CONSTELLATION ENERGY/EXELON, LUSBY, MD, JUNE 2009 TO JULY 2016

PLANT OPERATOR

- Effectively operated, utilized, and monitored plant equipment in line with station procedures to ensure the safe operation of the power plant.
- Performed the testing and assessment of equipment to guarantee it functioned in adherence to established SOPs.
- Served as a member of Developing Young Professionals, including administering professional development training, facilitating tours for non-technical people, and engaging the community and Washington DC politicians to promote the benefits of nuclear power.
- Achieved success by operating as a member of the Refueling Outage Tagging Team in 2013 and 2014, performing 1,689 tag outs with 19,442 tags to establish safe working conditions for technicians with 100% event free performance, with 2013 being the first time this happened since the plants were built in 1975.

US NAVY/CENTER FOR PERSONAL AND PROFESSIONAL DEVELOPMENT, VIRGINIA BEACH, VA, MARCH 2007 TO FEBRUARY 2009

TRAINING DEPARTMENT ASSISTANT

- Led the creation, design, and development of instructional materials, including tests, lesson plans, and course master schedules through the design and development phases of course development.
- Provided supervision, leadership, and direction to a team of 3 sailors in the development of 15 master course audit trails to support curriculum standardization, directly affecting 57,560 sailors. Presented with a Navy Achievement Medal in recognition of extensive efforts.

US NAVY/USS HAMPTON, NORFOLK, VA, SEPTEMBER 2005 TO MARCH 2007

SUBMARINE NUCLEAR PROPULSION PLANT OPERATOR

- Cooperated effectively with shipyard personnel through reactor servicing, overhaul, modernization, and testing of ship systems.
- Charged with operating, utilizing, monitoring, and maintaining the nuclear submarine mechanical systems.
- Leveraged extensive expertise to perform torpedo and weapons handling activities as an auxiliary duty.

AWARDS AND HONORS

- Dean's List/Presidential Scholar List for CSC in Cyber Security
- Scholastic Honors for Workforce Education and Development at Southern Illinois University
- Jr. Sailor of the Quarter in the Navy
- Navy and Marine Corps Achievement Medal
- Navy Good Conduct Medal

- National Defense Service Ribbon