Bryan Bushey

careers@bryanbushey.com • (860) 818-9624 • linkedin.com/in/bryanbushey • bryanbushey.com

EDUCATION

Sacred Heart University, Jack Welch College of Business and Technology — Fairfield, CT

BS, Cybersecurity — May 2023

Relevant Coursework: Network Security, Computer Forensics, Database Design, Computer Systems (x86 Programming), Vulnerabilities and Assessments, CY Law, Software Engineering, Operating Systems, Capstone, Cloud Security

Software: Linux, Splunk, PFsense, OpenVPN, VirtualBox, Virtualization, GQRX SDR, SQL, PKI, Vulnerability Scanning

Skills: Collaboration, Leadership, RF Hardware, Troubleshooting, Engineering, Research

RELEVANT WORK EXPERIENCE

Smart Roofs Solar — Monroe, CT

Tech Operations Specialist — May 2022–Present

- I create scripts to automate various tasks as well as coordinating with upper management on workflow protocols to create an efficient environment. Utilizing Java-Script and network security to maintain confidentiality of PPI.
- The Sales team provides me with raw data and I analyze to make proposals. These contain information in a comprehensive format.
- I manage and apply skills learned at Sacred Heart University to maintain and upgrade my company's websites. Including integrating forms with workflows that populate leads, improving turnaround on new potential customers.

Sacred Heart University IDEA Lab — Fairfield, CT

Shop Manager / 3D Designer — August 2019–May 2022

- Used instructional tools, I created CAD models for R&D along with printed circuit board (PCB)
- Instructed and led students on how to use Fusion 360 by creating intuitive PowerPoints and clear progression to advanced usage.
- Conducted IT support for the Lab, including but not limited to; re-imaging PCs, local web servers, and network mapping.

CAMPUS INVOLVEMENT

NCAA Division 1 Track and Field Team, Sacred Heart University — Fairfield, CT

Hurdler, Captain 2022-2023 — August 2019–May 2023

- As captain, I led the team through workouts and worked closely with the coaching staff.

SHU Innovate — Fairfield, CT

Member, eBoard Member — August 2019–May 2023

- Access to Institute of Electrical and Electronics Engineers (IEEE) and Association for Computer Machinery (ACM). Also hosted speakers to lecture on the rise in their career path within technology.

PROJECTS

Capstone Project — September 2022–May 2023

- Built an IDS from the ground up, used separate traffic to test with instead of a train test split. Trained a model using various machine learning algorithms from University of New Brunswick's CIC-IDS2018 Dataset. I used the developed model to classify incoming traffic from CIC-IDS2017 and HIKARI datasets to simulate unseen data to the model.

IntelliPARK — March 2023

- A parking lot tool enabling students to view a live map of open spaces.
- Utilized Arduino, React, and Python to seamlessly detect and display parking spots that are occupied to increase lot efficiency.
- Hosted the service from a webserver with support from the Sacred Heart University IDEA Lab.

Data Visualization Project — September 2019

- Designed and 3D printed learning models to visualize data structures. Models were used to teach freshman level classes about data structures.

Household Energy Consumption — November 2022

- Experimented with and developed a working machine learning model to predict a home's energy consumption.
- Used regressive algorithms based on a household's power consumption from 47 months, in Sceaux, France.

Senior Project — November 2022

- Experimented with new softwares & hardware (GQRX SDR & HackRF).
- Designed a program to create a Replay Attack on a test vehicle.
- Presented with supporting research for how to mitigate this attack.

CERTIFICATIONS

Splunk Fundamentals — May 2021