Brett Daniel Salyer

Education

* XX, Computer Science, Wright State University XXXX.
* XX, XXX, Sinclair Community College

Security Clearance

Secret

Experience Relevant to the [Proposal Name] Effort

* Over five years of experience in software engineering, specifically experience with the Department of Defense.
* I have over three years’ experience using Qt and PyQt developing desktop graphical user interfaces in C++ and Python.
* Over two years’ experience at the Sensors Directorate working with large amounts of radar data used for machine learning, as well as assisting senior RF engineers with the development of DSP algorithms.
* I have become familiar with container systems, such as Docker.
* I am proficient in many compiled languages, such as C and C++, but am also very familiar with MATLAB and Python.

Professional Work Experience Summary

Research Engineer Co-Op, Altamira July 2020 – Present

* Assisted the Research and Development team with various machine learning tasks using Tensorflow 2.0 and PyTorch.
* Assisted the NCTI software development team and the R&D team with integrating a Dockerized object detection system using Tensorflow and PyTorch into their NCTI software.

Intern, Alion March 2018 – July 2020

* Developed test equipment control software to execute and monitor tests for custom hardware designed in-house using a GUI developed in Python using PyQt 5
* Developed server code to handle Modbus protocol over RS232 serial using Python and a Raspberry Pi.
* Assisted Senior Engineers in Neural Network development using TensorFlow
* Developed various libraries in C++ that were ported to Python and MATLAB using SWIG
* Became familiar with and implemented code documentation using Sphinx

Intern, Air Force Research Laboratory May 2015 – September 2015

* Worked on distribution C research projects at Wright State University with the Air Force Research Laboratory (AFRL). This was known as the ATR Center Summer Internship

Web-Developer, I-MKTG Mon 2015 – Mon 2015

* Create and design web pages using WordPress, CSS, and HTML5

Relevant Training and Certification

* Related coursework: Java Development I & II, Calculus II, Linear Algebra & Differential Equations, Network Security, Linux Operating Systems, Computer Organization, Digital System Design, HPCs & Parallel Programming, OS Internals & Design, GPU Programming with CUDA, Foundations of Artificial Intelligence