**Jesse Moore**

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Github: <https://github.com/jesseDMoore1994>

**Summary**

A personable and professional software engineer with both graduate and practical experience as it relates to the analysis and design of software systems, with a particular interest in the processes to deliver high quality software both effortlessly and effectively.

**Experience**

ADTRAN *Software Development Engineer* Huntsville, AL January 2017 - Present

* Developed software utilizing test driven agile software methodologies in ADTRAN codebases for embedded software systems to provide software features.
* Maintained and created new CI/CD automation scripting to test and build ADTRAN software using a mixture of real and virtual resources.
* Worked with other software development teams to facilitate ease in software development of various specific components in a way that can allow for both fast iterative development as well as seamless integration into the greater project.

CGI Federal *Cyber Security Intern* Huntsville, AL June 2016 - August 2016

* Worked as a Cyber-Security analyst using network analysis tools and personal custom-built scripts to monitor and defend CGI networks in a Secure Operations Center.

ADTRAN *Co-op Student* Huntsville, AL August 2014 - April 2016

* Three terms of cooperative education on various diverse development teams working on everything from software regression testing with TCL, C++ feature development and bug hunting on embedded systems, and finally web-based solution orchestration.

**Academic Projects**

Satellite Power Scheduler Application Fall 2020

This project was a multifaceted software solution that would take power consumption data of various IOT devices under simulated workload and provide forecasting data given low power constraints. The goal was that this software could be further developed to target LEO satellite deployments.

Github: <https://github.com/CPE656Fall2020>

Artificial Neural Network Fall 2019

This project is a collection of artificial neural networks written in Python to demonstrate feed-forward and back-propagation in neural networks of differing size input, output, and hidden network layers.

Github: <https://github.com/jesseDMoore1994/artificial_neural_network>

**Hobby Projects**

C++ Blackjack Game - <https://github.com/jesseDMoore1994/blackjack>

A simple C++ blackjack card game developed using TDD in a dockerized build environment.

Snake - <https://github.com/jesseDMoore1994/snake>

A simple typescript implementation of the classic game snake using excalibur.js.

**Education**

Master of Science in Software Engineering (with Concentration on Big Data and Data Mining)

University of Alabama in Huntsville 2017-2021

Huntsville, AL GPA: 3.833

Bachelor of Science in Computer Science (with Honors)

University of Alabama in Huntsville 2012-2016

Huntsville, AL GPA: 3.733

**Technical Skills**

**Frequent Programming Languages:** Python, Jenkins DSL, Groovy, Make

**Less Frequent Programming Languages:** C++, C, Java, Typescript, Haskell

**Areas of Domain Knowledge:** Computer Networking, Openstack Development, Jenkins, Ansible, Virtualization Tools, Network Analysis**,** Linux Administration, Linux Build Systems, Docker, MaaS, Kubernetes