# Tre' R. Jeter

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**U.S. Citizen**

## EDUCATION:

**Claflin University,** Orangeburg, SC
Bachelor of Science in Computer Science
Bachelor of Science in Computer Engineering
Minor in Cyber Security
GPA: 3.8/4.0 Expected Graduation Date: May 2021

**University of South Carolina-Upstate,** Spartanburg, SC
Scholars Academy Program
Non-Degree Seeking (High School Student)
GPA: 3.1/4.0 Attended: August 2013 – May 2017

## RELEVANT COURSES:

Data Structures and Algorithms | Computer Organization and Architecture | Operating Systems
Software Engineering | Software Security | Web Security | Computer Networking | Digital Logic
Cyber Security Planning and Management | Embedded Systems | System Analysis and Design

## TECHNICAL SKILLS:

Java (Intermediate) C# (Intermediate) C (Novice) Python (Novice) Eclipse Kali Linux

## EXPERIENCE:

**Cyber Security Engineer Intern at the Space Dynamics Laboratory, Logan, UT** May 2020 – August 2020
Cyber Resiliency Introduced by blockchain Processing for Security Transmission (CRIPSeT)

- Researched networking protocols and executed attacks on internal systems using Kali Linux Tools
- Categorized 66 vulnerabilities in a threat model diagram of a simulated satellite mission from low to critical
- Researched blockchain, known vulnerabilities, and its ability to mitigate a Command Intrusion Attack
    - Theoretically proved using blockchain within a simulated satellite mission would completely mitigate a Command Intrusion Attack
    - Successfully executed a ReEntrancy Attack on an internal sample blockchain using the Solidity IDE

**Computational Intern at Lawrence Livermore National Laboratory, Livermore, CA** May 2019 – August 2019
Programming and Manipulating Model-Specific Registers

- Implemented a task-oriented command-line tool for reading, writing, and modifying Model-Specific Registers via the Lawrence Livermore National Laboratory MSR-Safe Kernel interface
    - Decreased the setup time for performance profiling of Model-Specific Registers by 67%
    - Performance profiling visuals were created in R using data collected from Fire Starter

**Cyber Security Intern at Lawrence Livermore National Laboratory, Livermore, CA** May 2018 – August 2018
Research of Vulnerability Scanners

- Compared Nessus and OpenVAS to identify which one gave the most useful and reliable data
- Modified a python script to convert CSV files into XML files to integrate into a network mapping system

## ORGANIZATIONS:

- Kappa Alpha Psi Fraternity, Inc. (ΚΑΨ) President March 2020- Present
- Phi Beta Lambda Business Fraternity, Inc. (ΦΒΛ) President December 2019- Present
- Alpha Kappa Mu National Honor Society (AKM) President March 2019- Present
- National Society of Black Engineers (NSBE) August 2017- Present

## COMMUNITY INVOLVEMENT:

- Calculus Supplemental Instructor in Claflin University's Mathematics Department March 2019- Present
- Student-Athlete Tutor in Claflin University's Athletic Department August 2017- Present

## PROGRAMS/CONFERENCES:

- NSF Cybersecurity Summit for Large Facilities and Cyberinfrastructure in San Diego October 2019
- Forbes Under 30 Summit (Under 30 Scholar) October 2019
- Circuits to Systems Computing Workshop at Northwestern University August 2018
- Linux Boot Camp Attendee at North Carolina A&T State University March 2018
- UNCF Innovation Summit Fellow (Computer Science/Engineering) October 2017, 2018