10239 Plummer drive, Dallas, Texas 75228 • 214-803-3568 • Eric.Rogers@utdallas.edu • U.S. Citizen

Eric Rogers

Education

University of Texas at Dallas

- **BS in Software Engineering;** Expected Graduation: December 2018
- **MS in Computer Science;** Expected Graduation: December 2020
- **Cumulative GPA: 3.984**
- **Dean's List (Top 10% GPA):** Spring 2016 – Spring 2018
- **SFS Member:** Started Fall 2018

Richland College

- **Associate of Science**: December 2015
- **Cumulative GPA: 3.947**
- **Multiple President's Honor Roll recipient**

Relevant Coursework

- Computer Networks
- Operating System Concepts
- C/C++ Programming in Unix
- Software Engineering
- Database Systems
- Digital Forensics
- Computer and Network Security
- Computer Architecture
- IOT Security: In progress

Academic Projects

- **Buffer-Overflow Vulnerability Exploitation: February 2018**
  - Exploited the buffer overflow vulnerability of a C program, running in a Linux environment, to obtain a root shell.
- **Threads and Semaphores in a Unix Environment: May 2017**
  - Wrote a multithreaded C++ program to create a matrix of numbers, each with its own consumer thread, then had a single producer thread add a random number to each cell which would update. The consumer would then negate 1 from its cell each second. If the signal SIGTERM or SIGINT is encountered the producer stops then the consumers count down until all cells are zero and the program exits. Mutexes were used to make sure the producer and consumer did not alter the same cell at the same time causing an error.
- **Other Group and Individual Projects Available Upon Request**

Skills

- **Operating Systems:** Windows, Linux/UNIX, MacOS
- **Programming Languages:** C/C++, Java, Python, MIPS, Basic HTML/CSS, SQL
- **Platforms:** Netbeans, Eclipse, Emacs, Mars, MySQL Workbench