

Jassiem Ifill

225 North Glebe Rd
Arlington, VA 22203
jifill25@gmail.com
(952) 818-5331

Education

- B.S. in Computer Science, Morehouse College, Atlanta, GA May, 2015
 - GPA: in major: 3.6 overall: 3.4
- B.S. in Mathematics, Morehouse College, Atlanta, GA May, 2015
 - GPA: in major: 3.6 overall: 3.4
- M.S. in Computer Science, RPI Troy, NY May 2018

Experience

- Digital Operatives** - Software Engineer June 2020 to present
- Conducted research on the internals of consumer routers
 - Developed designs of implants for consumer routers
 - Conducted research on ELF file format internals and dynamic linking and loading
 - Conducted research on covertness techniques and methodologies for linux-based routers
 - Developed library classes and routines to emulate libstdc++ classes and functionality for linux-based router implants
- Raytheon SI** - Cyber Engineer Fall 2018 to June 2019
- Provided improvements and development support for an Android Kernel LPE
 - Conducted research on persistence mechanisms for Android 7
 - Developed a build server for automatically compiling new versions of the Chromium web browser
 - Provided development support for an implant for consumer routers
- Raytheon SI** - Intern Summer 2018
- Conducted Research on bypassing security mechanisms for Android
 - Performed Vulnerability Research for vendor drivers for Android Kernel
- MIT Lincoln Laboratory** - Intern Summer 2016
- Surveyed and implemented analyses using metrics from the then-current state of the art in network fidelity
 - Proposed additional composite social network analysis metrics, and provided proof of concept implementations

Extra curricular activities

- RPISEC, Rensselaer Polytechnic Institute, Troy NY** Fall 2015 - Present
- Competed in CTF competitions (including CSAW quals 2015, Plaid-ctf 2016, Plaid-ctf 2017, Defcon quals 2017, Defcon finals 2017, Hitcon quals 2017)
 - Developed proficiency in exploiting binaries for the x86, and x86_64 platforms
 - Developed an intimate familiarity with tools such as IDA, gdb, and more
 - Assisted in lecturing for the Modern Binary Exploitation course at RPI in the Spring 2017 semester
 - Developed proficiency in heap exploitation including significant familiarity with (glibc)ptmalloc2 internals, as well as metadata corruption techniques concerning the ptmalloc2 allocator
 - Developed a decent familiarity with the internals of the Linux Kernel

Computer Skills

Languages: C (7 years), Python (5 years), x86 (4 years), x86_64 (4 years), C++ (4 years), C# (2 years), JavaScript (3 years), Bash (4 years), Arm, Make

Operating Systems:

Lin