

## **Andrew Park**

2375 Generation Dr.

Reston, VA 20191

571-455-3571

apark19@gmu.edu

<https://aparkportfolio.net/>

<https://github.com/apark19>\*

<https://www.linkedin.com/in/andrewpark65>

## **EDUCATION**

AUGUST 2016 – MAY 2019

**BACHELOR OF SCIENCE IN COMPUTER SCIENCE, GEORGE MASON UNIVERSITY**

Cumulative GPA: 3.16

**Expected Graduation Date: 5 / 20 / 2019**

AUGUST 2013 – MAY 2015

**ASSOCIATE OF SCIENCE IN COMPUTER SCIENCE, THOMAS NELSON COMMUNITY COLLEGE**

Cumulative GPA: 3.5

## **SKILLS**

*Languages:* Java (4 yrs.), C++ (1 yr.), C (4 yrs.), python (1 yr.), x86 Assembly (2 yr.), MIPS Assembly (1 yr.), SQL (1 yr.)

*Technologies:* Zookeeper (1 yr.), Android Studio (1 yr.), Git Version Control (3 yrs.), Oracle Database 10g (1 yr.), OpenSSL (1 yr.), Junit (4 yrs.), gdb (3 yrs.), Linux/Unix (4 yrs.)

## **EXPERIENCE**

AUGUST 2018 – MAY 2019

**Correlating Android App Behavior with Network Traffic – Kryptowire, LLC.**

This senior design project focused finding a correlation with Android API method calls that obtain personally-identifiable information with the data that the device sends over the network.

Our solution consisted of two modules: a module that hooks and logs system calls on a target Android device, using the Xposed Framework, and a module that parses and correlates the data from the previous Android module with the data from a Man-in-the-middle attack tool, Mitmproxy, which captures the network traffic.

- Designed and submitted a project proposal based on client's RFP
- Managed project logistics as team leader
- Interfaced with client through weekly/monthly reports, bi-weekly meetings, and e-mail.

Tools: Android Studio, Java, python

*\*Projects will be hosted on Github on private repositories for Intellectual Property & Copyright reasons with George Mason University; however, the descriptions for the projects will be posted at <https://aparkportfolio.net/>*