

Andrew Park

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<https://aparkportfolio.net/>

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SKILLS

Languages: Java, C++, C, python, x86 Assembly, MIPS Assembly, SQL

Technologies: Zookeeper, Android Studio, Git Version Control, Oracle Database 10g, OpenSSL, JUnit

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

EDUCATION

AUGUST 2016 – MAY 2019

BACHELOR OF SCIENCE IN COMPUTER SCIENCE, GEORGE MASON UNIVERSITY

Cumulative GPA: 3.12

AUGUST 2013 – MAY 2015

ASSOCIATE OF SCIENCE IN COMPUTER SCIENCE, THOMAS NELSON COMMUNITY COLLEGE

Cumulative GPA: 3.5

**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/>*