Adam Seevers

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EDUCATION

Bachelor of Science in Computer Science   Expected December 2017

Florida Polytechnic University – Lakeland, Florida   GPA: 3.4

TECHNICAL SKILLS

Programming Languages:

Most Experienced with: Java, MySQL, HTML, Bash

Some Experience with: PHP, JavaScript, Python, C++

Technologies: GitHub, Virtual Box, Android SDK, Visual Studio, Webstorm, Linux

PROJECTS

Cryptocurrency Android Application (on GitHub)

Android Studio, GitHub, GraphView dependency

- Built an Android application that uses the crypto compare API to collect data of multiple cryptocurrencies and display relevant information to the user through the GUI.
- The application also has an activity that uses a service I created for pulling a JSONArray of historical price data based on user input for the currency and number of days back. Then this data is passed through the GraphView dependency which displays the data in a visually appealing way.
- Currently developing datamining methods that will attempt to detect trading trends based on historic data and attempt to identify top news stories and their effects on the cryptocurrency market prices.

Curtiss-Wright: SEER Database Analysis Project

MySQL, Bash, Python

- Created and used a MySQL database on the Florida Polytechnic Supercomputer to discover data relationships among millions of different data records.
- Developed python and bash scripts to analyze hundreds of XML files and then generate an SQL import statement based on the file and the data fields it contained.
- Tested MySQL queries to reduce time complexities of search algorithms, also perform data mining techniques to find relationships in the data and to analyze the data for redundancy.

Wi-Fi Network Traffic Analysis

Kali Linux, Snoopy, Virtual Box, WireShark

- Created a controlled environment of Virtual machines running the Snoopy framework to collect SSIDs from nearby wireless devices and offer a rogue wireless access point for nearby users to connect to.
- Also the compromised network had a node running WireShark to capture all packets traveling over the network, then analyzed captured packets to inspect encryption standards for packets containing login credentials and financial information.
- Developed best practices and preventive measures that mobile users should follow to reduce exposure of their devices being compromised.

Hadoop Raspberry-Pi Anywhere Cluster

Apache Hadoop, Batman-ADV, Linux

- Built a raspberry Pi cluster operating with the base Hadoop 2.0 stack (MapReduce, YARN and HDFS) in order to provide a highly mobile cluster of computational power that can be deployed in remote locations.
- Utilized the batman-ADV networking protocol to monitor node network activity while also routing distributed jobs through the cluster, based on node proximity. This also allows for nodes to join and drop from the cluster based on proximity.

WORK EXPERIENCE

Summit Holdings: 07/2016 – Present
IT Intern

- Created a VBA project that allows users to search and connect to network printers by location and also allows IT team to get details about the printer for further troubleshooting, this initiative reduced total ticket volume for network printers by 60% YTD.
- Write batch files and PowerShell scripts to automate procedures and processes for internal employees.
- Research company website UI / UX problems reported by customers, discovered that current web framework was causing compatibility problems with text box validation when the page was opened in certain browsers.