Joshua Jacob

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https://www.github.com/jacobj10

EDUCATION:

Georgia Institute of Technology, Atlanta, GA   August 2016 – Present
- Candidate for B.S. in Computer Science   Expected Graduation: May 2020
- Member of the Georgia Institute of Technology Honors Program

Brecksville Broadview Heights High School, Brecksville, OH   August 2012 – May 2016
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- GPA 4.584/4.0

WORK EXPERIENCE:

SecureState, LLC, Cleveland, OH   June 2016 – August 2016
Software Intern
- Developed bug fixes, plugins, and applications for company products
- Worked daily using Git to workflow tasks
- Created multiple add-ons and plugins for company products under my name (See SFTP Client and Compare Campaigns Tool)

PROJECTS:

SFTP Client   June 2016 - Present
- Built a Secure File Transfer Protocol Client in Python in order to transfer files between local and remote filesystems
- Created a user friendly GUI to make transferring files simple for all users
  - Used Glade and GTK for all graphical support
  - Worked with Paramiko to handle the SSH connection

Compare Campaigns Tool   June 2016 – July 2016
- Created a feature in the KingPhisher toolkit to allow users to compare phishing data from campaigns in a rendered line graph with multiple points of comparison
  - Built in Python, handled queries with PostgreSQL
- Now officially part of the KingPhisher package released to the public

vPong   August 2016 – Present
- Created an implementation of pong in vPython
- Utilizes a physics-like engine to track real time distance and velocity

EcoCAR 3 (ADAS Subteam Member)   August 2016-Present
- Working on Object Detection system to be integrated into a 2016 Chevy Camaro to increase fuel efficiency
  - Designing algorithm to recognize stop signs, pedestrians, and lanes
  - Working in MATLAB to eventually be ported to C++

SKILLS:

Languages: Python, C++, C, PostgreSQL, Bash, Java
Skills: Git, MATLAB, Glade, KingPhisher, GTK, Scapy, vPython, Burp Suite
Operating Systems: Windows, Linux (Kali, Fedora, and Ubuntu)

ACTIVITIES:

Capture the Flag   November 2014 - Present
- Competed in various Information Security competitions
  - HSCTF III (21st / 500+ teams)
  - TJCTF (19th / 1000+ teams)
  - Published multiple write-ups on GitHub