Michael Wright

9500 Kingsford Dr.
Cary, NC 27518
☏ (919) 656-4962
✉ mdwrigh2@ncsu.edu

Education

Fall 2008 - Winter 2012 (expected)
Computer Science & Mathematics, North Carolina State University, *Raleigh, NC*, Overall GPA: 3.974.
CSC & MA Majors GPA: 4.0

Computer Skills

Languages:
Python, Java, Ruby, JavaScript, C

Software:
Git, Subversion, Apache, MySQL, Chef, LaTeX, Xen

Operating Systems:
Linux (Primarily Debian-based distributions), OS X, Windows

Experience

Fall 2011
Senior Design Team Lead, *Johns Hopkins University Applied Physics Lab*.
- Developed a library for seamlessly interacting with Flicker, a project that allows for running trusted code modules on top of an extremely small trusted computing base.
- Implemented modules that wrap Intel's Trusted Platform Module's sealing and unsealing functionality.
- Developed modules that implement RSA and a corresponding arbitrary precision math library which do not depend on libc.

Summer 2011
Technical Solutions Engineering Intern, *Google*, Mountain View, CA.
- Extracted ChimpChat, a Java library for interfacing with the Monkey testing tool, from the MonkeyRunner tool.
- Added view introspection functionality to Monkey, ChimpChat and MonkeyRunner.
- Refactored the Android Partner Frontend device display page to utilize a different backend service and added pagination to it and the search results page.
- Worked on an SFTP server backed by Google technologies and infrastructure, improving read performance by 4x and implementing proper access control.

May 2010 – January 2011
Research Professional, *Dr. Jiang, NCSU*, Raleigh, NC.
- Developed a framework to interpose advertisement's interaction with webpages.
- Gave presentations on papers and research proposals to the Systems Security group.

2008–2010
Jr. Developer/IT Intern, *Futures, Inc.*, Durham, NC.
- Aided in the design, and provided the implementation and support of a large scale (10,000+ initial users), Xen-virtualized server environment housing a rich internet web application.
- Developed a custom continuous integration server that interfaced with our git repositories.

Extra

- Contributor to open source projects - see https://github.com/mdwrigh2
- President of the NCSU Linux User Group
- Google Student Ambassador
- Volunteer for CarolinaCon, a regional technology conference, from 2005 - 2007