Daniel Hill

300 Third Ave. Farmville, VA 23901 • 703-303-8382 • daniel.hill@live.longwood.edu

EDUCATION

Longwood University, Farmville, VA, May 2015 (expected)
- Bachelor of Science in Computer Science
  - Association for Computing Machinery Vice President 2014-2015
- Bachelor of Science in Criminology and Criminal Justice
  - Alpha Phi Sigma – Criminal Justice Honor Society
- Dean's List – 6 Semesters (2012 – 2015)

Northern Virginia Community College, Annandale, VA, May – August 2012
- Associate of Science in General Education with a focus in Criminal Justice – *Magna Cum Laude*
- Applied Associate of Science in Criminal Justice – *Magna Cum Laude*

Technology Summary

Operating Systems: Linux (Debian, REHL-based), Windows, Mac

Programming Languages and Projects:
- Completed extensive sections of the NachOS project in C/C++.
- Created a multitude of Bash scripts especially utilizing passwordless SSH to provision virtual machines.
- Utilized a web framework with an Object Relational Model to SQL backend for a Senior Project.
- Completed a variety of school type Javascript/jQuery webpages with HTML5, CSS3.

Current Technologies and Software Tools:
- Provided classes on Git history and usage to lower level students.
- Used Vagrant to setup a Debian development environment for Senior Seminar - Class of 15 students (also created a Docker environment for the same project).
- The development environment of the same project included Apache Web Server, Python Flask/Jinja2, along with a rotation of SQLite3/MySQL/PostgreSQL backends.

Experience

Interdisciplinary Research Project, January 2015 – Present
- Designed forecast retriever/parser in Python for an Arduino Yun in conjunction with the Environmental Science Department researchers.
- Worked with small team of six to utilize multiple weather forecasts services and data received
- Ongoing development of open source Python wrapper in regards to National Weather Service

Technical Assistant - IT Help Desk, Longwood University, August 2014 – Present
- Provided technical assistance to faculty/staff, including hardware malfunctions and software walkthroughs.

Combat Engineer, Virginia Army National Guard, March 2010 – Present
- Explosive Ordnance Clearing Agent (ASI E8) – Aug. 2013
- Iraq Campaign Medal with Campaign Star – Dec. 2011
- Overseas Service Ribbon – Dec. 2011

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REFERENCES

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