Preston Maness - February 01 2015

- **Phone**: 512-955-1048 (RedPhone calls preferred; let's keep the spooks on their toes, shall we?)
- **Email/Public-Key**: aggroskater@gmail.com
  - Fingerprint: C2D7 6E31 48C4 1D1F E76D E6E8 CF21 ED69 9202 669D
  - Keybase.io: https://keybase.io/aspensmonster
- **Code**: https://github.com/aggroskater/
- **LinkedIn**: http://www.linkedin.com/pub/preston-maness/8b/973/202

The Involvement

This is the stuff that I'm passionate about. These are the things I put effort into and learn for no better reason than "because." Because technology is awesome and community is important. But also because I really enjoy putting development and dev-ops tools into practice and believe that automation can be useful **outside** the datacenter, too.

- Participation in Open Source and Free Software Community
  - Devops/Bug Squashing/Feature building work for Youtube Center (Assisted @YePpHa with automatic plugin updating for the YTC project. See pull request)
  - Initial analysis of FinFisher malware suite (Used prior experience with browser addons/extensions to analyze the FinFisher malware suite's Firefox browser addon/extension attack vector. See pull request)
  - Member of ArchiveTeam (Preserving digital heritage before it is `rm -rf /`'d from existence. Extended existing web-scraping pipeline to perform post-processing of scraped assets contained in ISO 28500-conforming WARC files. Sampling and shrinking of payloads (High-definition VODs) reduced storage requirements by 60 to 80 percent while maintaining minimum viable archive of material.)
  - Bug Squashing with GNU FSF's `wget` (Tracked down a stubborn segfault that was killing long-running web scrapes prematurely in a non-recoverable manner)
- Projects
  - Hardware Random Number Generator (Senior Design Capstone Project)
  - Terminal-based Aces Up card game in C++
  - 4-bit ALU with complete functional verification (VHDL)
  - Class A power amplifier
- Languages and Tools
  - **Programming**: C++, Java, VHDL, HCS12 assembly
  - **Scripting**: Bash, Perl, Python
  - **Development Tools**: git, ant, GCC, eclipse, make, Doxygen, jenkins, valgrind
  - **Software**: Xilinx ISE, NI Multisim, LT-SPICE, MATLAB, Microwind, iverilog, gtkwave, ngspice, vim
  - **System Administration**: GNU/Linux (Apache, MySQL, PHP, Perl, Varish HTTP accelerator, Wordpress, MediaWiki, Nagios monitoring, pnp4nagios, Vagrant VM manager, Ansible automation, APT and RPM package management, Debian and CentOS distribution experience)

The Experience and Education

Where I've been.

- Current Employment: **Rackspace Inc.** (Since Oct. 2014)

  - GNU/Linux Systems Administrator I (Oct. 2014 - Present)

- Previous Employment

  - **Colorado School of Mines** (4 months ; Sep. 2009 - Dec. 2009): "Digger Dialer" - Fundraising, Donation Solicitation, general pestering of alumni within a call-center environment.
  - **Pei Wei Asian Diner** (12 months ; Jan. 2010 - Jan. 2011): Cashier. Performed any and all front-of-house duties as necessary (bussing, closing, etc).
  - **HostGator.com LLC** (13 months ; Jan. 2011 - Feb. 2012): GNU/Linux Web Hosting Systems Administration (Calls, Chats, Email), understanding of Apache, Exim, Dovecot, MySQL, cPanel, WHM, bash/perl scripting, strace debugging, customer site performance evaluation and optimization. Pushed for more thorough, root-cause analysis of customer issues at **first contact** to avoid unnecessarily prolonging service degredation.

- Bachelor of Science, Electrical Engineering, Computer Engineering concentration, Texas State University, class of 2014

- Associate of Science, Applied Mathematics, Texas State University, class of 2014