

# Preston Maness - August 20 2014

Recent EE grad from Texas State University. Clone my resume!

```
$ git clone https://github.com/aggroskater/resume.git
```

- **Phone:** 512-955-1048
- **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 \(VHDL\)](#)
- 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.

- 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 degradation.
- 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