

# Adam Hopkins

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## EDUCATION

University of Texas at Austin  
Austin, TX

- Major: Computer Science
- GPA: 4.0
- Dean's List
- Expected Graduation Date: Fall 2014
- Graduating with Information Security Certificate

## EXPERIENCE

Software Engineer (Data)

Factual • Los Angeles, CA

May-August 2013, Summer Internship

- Cleaned and canonicalized data using Regular Expressions.
- Built custom tool to integrate client data dynamically depending on format and type of data given.
- Used Ruby to create command line tools to analyze client data.

Web Developer/IT Support

Forum One Communications • Alexandria, VA

June-August 2011, Summer Internship

- Developed PHP applications.
- Utilized Drupal and WordPress for content management.
- Assisted in equipping company computers with the most up to date software and in addressing technological issues.
- Assisted in administering Linux servers.

Web Developer

Nittany Web Works • Tyrone, PA

2010-Present

- Developed and implemented server-side scripts with Perl to process and output data.
- Aided in the development of websites, surveys, and backend user management.
- Designed, maintained, and used MySQL database systems.

Co-owner of Net Hop Web Works

[www.nethop.com](http://www.nethop.com)

2011-Present

- Created dynamic sites using PHP, Perl, HTML, CSS, jQuery, JavaScript, and WordPress.
- Hosted and maintained clients' sites with scalable hosting platform using Nginx, MySQL, and the Catalyst MVC.
- Administered server space.
- Built backend management system to add and manage clients, sites, and users.

Head Web Developer and Owner

[www.narutomeetsbleach.com](http://www.narutomeetsbleach.com)

2011-2012

- Acquired new episodes weekly with a Perl script run by Cron.
- Created MySQL dumps weekly with a bash script run by Cron.
- Used HTML, CSS, JavaScript, and jQuery to make site functional and user-friendly.
- Created backend management system with ability to edit, update, delete, and add new episodes or video sources.

School Projects

2010-Present

- Implemented the Advanced Encryption Standard in Java.
- Worked with and added onto the Pintos operating system.
- Implemented Huffman Encoding compression algorithm in Java.

Developed sophisticated web crawler

Summer 2012-Spring 2013

- Can effectively crawl 100,000 pages an hour.
- Efficient but 'stealthily' at the same time.
- Easily scalable. Number of pages downloaded per day only limited by number of servers available to the system.

## SKILLS

- HTML & CSS, PHP, Perl, Java, C++, JavaScript, jQuery, MySQL, Microsoft SQL, Linux, Unix, Vi text editor, Nano text editor, Regex, Spanish

## CURRENT PROJECTS

- Recently created an perl module for the Digital Ocean API: <https://metacpan.org/pod/DigitalOcean>