Zachary Hickman

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Employment History

2013-Present   **Tutor, Northeastern University**

Currently tutoring Fundamentals of Computer Science I and II. Involves concepts such as [generative/tail-end] recursion, structures and unions, abstraction, and other basics taught using Racket (functional programming) and Java (object-oriented).

(Course Website: http://www.ccs.neu.edu/course/cs2500f13/)

Summer 2013   **Software Engineering Intern, Symantec Corporation**

Developed new features for Norton Single Sign On, a CAS-based program running on Apache Tomcat. Created Splunk dashboards for further statistical analysis on key products. Second place in the Symantec Intern Showcase Competition. Extensively used Java, Ruby, and other languages while collaborating on products used by millions globally. Software, tools and protocols involved include Maven, RESTful APIs, SAML 2.0. Programmed on CentOS and Fedora machines.

Runner-Up in the 2013 Symantec Intern Showcase Competition in Mountain View, CA.

2009-2013   **Freelance Web Development, oDesk**

Completed dozens of small and large web projects, involving the front- and back-ends. Languages   include HTML/CSS, PHP, Javascript, [My]SQL. Software, tools and frameworks used include Adobe CS5 products (Photoshop, Fireworks, Dreamweaver), Filezilla, Google Analytics, Source Control (listed in Skills), Zend, Wordpress, Drupal, CakePHP, X-Cart, osCommerce.

(oDesk profile with job examples and feedback: https://www.odesk.com/users/~01e909f3b549d941cd)

Skills

Languages
- Java – Racket(/Scheme) – PHP – Javascript – HTML/CSS – SQL – C++ – Python – LaTeX

Frameworks/CMSs
- Wordpress – Drupal – CakePHP – Zend Framework – X-Cart – osCommerce

Operating Systems
- Windows (XP, Vista, 7, 8) – GNU/Linux (Debian, Fedora, CentOS, Ubuntu)

Tools/Software
- vim – Eclipse – Visual Studio – Dev-C++ – Source Control (git, mercurial, svn, p4v) – Splunk – Apache (Tomcat)

Educational Background

Fall 2012-Present   **Northeastern University**

Studying for Dual Major in Computer Science and Game Design.
CS GPA: 3.49 on a 4.0 scale

June 2012   **Merrimack High School**

Awarded High School Diploma. Graduated in top 15% of class.
GPA: 3.65 on a 4.0 scale

Projects

UntitledMixtap.es (http://www.untitledmixtap.es)

A Spotify mixtape/playlist generator. Uses EchoNest and last.fm APIs. Written in Python, uses Flask and Bootstrap.

Identicon Generator (http://zhickman.com/gravatar.php)

Web wrapper for Gravatar's web API. Generates Identicons based on user input and IP address.
Also, see http://www.zhickman.com/