Zachary Hickman

Computer Science and Game Design Undergraduate
College of Computer and Information Science (CCIS),
Northeastern University

Email: zdhickman@gmail.com
Phone: (603) – 321 – 2291
GitHub: http://www.github.com/zdhickman

Employment History

Summer 2014 – Present   **Software Engineering Intern, Smarter Travel**

Currently a member of the CORE development team at SmarterTravel. Developing new features for all SmarterTravel Media websites, including SmarterTravel.com, BookingBuddy.com, and AirfareWatchdog.com. Using a primarily PHP-based MVC framework, as well as a Javascript MVC framework and jQuery. Environment is setup on a Mac OS X machine.

2013 – 2014   **Tutor, Northeastern University**

Tutored Fundamentals of Computer Science I and II. Involved 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. 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.

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: 3.57 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.

ZHickman.com (http://zhickman.com)

Portfolio website. Contains resume, active projects, and links to relevant profiles.