Donald B. Guy

225 Schermerhorn St, Apt 11P   http://www.donaldguy.com   (757) 277-2108
Brooklyn, NY 11201-1144   donald.guy@mit.edu

Education

Massachusetts Institute of Technology (MIT)   **June 2012**
Bachelors of Science in Computer Science and Engineering   GPA: 4.2/5.0

Select courses: User Interface Design & Implementation (6.813), Operating System Engineering (6.828),
Elements of Software Construction (6.005), Computer System Engineering (6.033).

Employment

charity: water   **August 2013 – January 2014**
Software Engineer
- Maintained backend for legacy fundraising platform using Java, Freemarker Template Language, RabbitMQ, and MySQL (as well as providing additional support to frontend engineers, using JS, jQuery, KnockoutJS, SCSS, PHP)
- Performed various maintenance tasks and integrations on organization-wide Atlassian tools (JIRA, Confluence, Crowd). Retrofitted staging build and deploy infrastructure using Atlassian Bamboo
- Performed exploratory study into use of Neo4j graph database to track influence amongst donors / campaigns.

BurstWorks   **June 2013 – August 2013**
Configuration Management ("DevOps") Consultant
- Researched, instructed on, assisted with proper use of Chef 11 using Berkshelf and Vagrant for migrating manually configured public EC2 architecture to VPC while adding VPN access, internal DNS, and Kerberos.
- Authored custom Chef cookbooks to automate Kerberos keytab and k5login generation

TripAdvisor   **August 2012 – February 2013**
Software Engineer, Locations & Translations Content Tools Team
- Maintained various internal web-based tools using JavaScript, jQuery, CSS, Bootstrap, Mustache, ICanHaz.js, Apache Velocity Template Language, Java Servlets and PreparedStatements, Tomcat, Apache2, and PostgreSQL.
- Modernized internal tools teams' build/deploy process using Jenkins CI server

Facebook   **June 2011 – August 2011**
Software Engineering Intern, Messages/Chat Frontend Team
- Prototyped "likes" of individual private messages. Completed PHP backend, modern Graph & legacy FQL APIs, with full test coverage and comprehensive documentation. Prototyped web UI in XHP/CSS/JavaScript.
- Added caching explicit privacy middleware for message fetching, allowing easier use with other service backends.
- Tested and contributed to design discussion of many unreleased features of Facebook and filed many bugs.

Bose Corporation   **June 2010 – August 2010**
Software Engineering Intern, Home Entertainment Product Development
- Designed and implemented self-contained, fully-featured C++ debug logging system targeted at a heterogenous network of desktop software and embedded devices for an early-stage product.
- Wrote specialized server from scratch. Adapted client library from BSD-licensed "google-glog", adding features.

Skills & Interests

Spoken Languages: Native English speaker. Basic to intermediate Spanish. Basic German. Basic French.

Programming Languages: Proficient in Ruby, Java, JavaScript, and C.
Experience with PHP, CoffeeScript, Python, C++, bash, Perl, Scheme, x86 asm.
Some exposure to R, Scala, Go and Haskell.

Frameworks/Libraries: Familiar with jQuery, Ruby on Rails.
Some experience with Node, KnockoutJS, RequireJS, AngularJS

Developer Tools: Proficient with git, Subversion, UNIX command line tools. Familiar with Yeoman, Chef

Other Interests: Fitness, mindfulness/meditation, history, music, language, comedy, writing, craft beer