Zhenchuan Ma

Nick: Terry • hi@terry.ma • http://terry.ma • (512) 497-2059

Full-stack engineer passionate about tech, learning, startups, and building silly things.

EXPERIENCE

Google - Hangouts Analytics   **Kirkland, Washington**
Software Engineer   *Oct 2012 – Present*
- Support launch of Google Hangouts with cross stack logging and analytics improvements to ensure that we have solid, accurate user data during launch.
- Work on log analytics pipelines that aggregate terabytes of daily Hangout logs and present the metrics in an executive level dashboard.

Amazon.com - Amazon Web Services - EBS   **Seattle, Washington**
Software Development Engineer   *Apr 2011 – Aug 2011, Feb 2012 – Sep 2012*
- Lead developer on new AWS project to drive enterprise customer adoption into the cloud, with heavy focus on security and isolation.
- Responsible for the entire SDLC of the project, including but not limited to initial prototyping, architecture and design, coding, performance, functional, and integration test, deployment and team building.
- **300+ interviews** (phone screen + onsite + on campus) in over 4 years at Amazon.

Amazon.com - Amazon Web Services - AWS Marketplace   **Seattle, Washington**
Software Development Engineer   *Aug 2011 – Feb 2012*
- Designed and implemented a document based workflow system on top of AWS SWF to handle product ingestion.
- Designed and implemented an internal RoR site with haml and Twitter Bootstrap to help gain operational visibility into the services, workflows, and the product catalog.
- Prepared extensive operational readiness wiki for the AWS Marketplace launch using my deep operations experience.

Amazon.com - Global Payment System - Gift Certificates   **Seattle, Washington**
Software Development Engineer   *Jul 2008 – Apr 2011*
- Designed and implemented an internal website using Spring MVC featuring dozens of tools for performing various actions (corporate order placement, data browsing, resend, refund, etc) related to Gift Certificates.
- Core developer on the integration with third party printing vendor for the new generation of Paper Gift Certificates.
- Core developer on the integration with *Amazon FPS* (Flexible Payment Service) for the *AGCOD* (Amazon Gift Codes On Demand) web service product.
- Lead developer on designing, implementing, testing, and launching the Facebook Gift Cards product which allows customers to send Amazon Gift Cards through the Facebook platform.

IBM   **Austin, Texas**
Software Engineer Co-op   *Jan 2007 – Aug 2007*
- Designed and implemented a standalone Java application for running existing JUnit test cases in an automated, platform independent, and user-friendly fashion.
- Worked on the WebSphere InterChange Server to WebSphere Process Server migration team. Tasks included fixing project related defects, designing test cases, and setting up and running Scenario Verification Tests.

EDUCATION

The University of Texas   **Austin, Texas**
B.S. in Computer Science – Turing Scholars Honor Program   *Aug 2004 – May 2008*
- Overall Grade Point Average (GPA): **3.6/4.0**
- Relevant CS **Honor** Courses:
    - programming languages, operating systems, system architecture, algorithms and data structures, automata theory, program analysis, logic;sets;and functions

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SKILLS

- Over 10 years of programming experience with Java
- Fluent in reading, writing, and conversing Mandarin Chinese
- Technical familiarity with the following:

  Programming language: Java, C, C++, JavaScript/CoffeeScript, Ruby, Python, BASH

  Persistence store: Oracle, MySQL, PostgreSQL, S3, DynamoDB

  Version control: Git, Perforce, Subversion

  Framework/Library: Spring, Hibernate, jQuery, Bootstrap, Foundation, Rails, haml, SASS, node.js, AngularJS, Android, iOS

  Operating system: Mac OS X, Unix, Windows

  IDE/Editor: Eclipse, Vim, Sublime Text, IntelliJ IDEA

  Design tool: Sketch 2, Adobe Fireworks

PERSONAL PROJECTS

- Drawer.io - A free service competing with pocket/instapaper/readability/kippt. Comprised of a backend REST API powered by Rails, a frontend AngularJS app, and browser extensions in Chrome/Safari/Firefox. (in development)
- vim-multiple-cursors - A port of Sublime Text's multiple selection feature to Vim. Over **1600 stars** on Github.
- vim-expand-region - Vim plugin that allows you to visually select increasingly larger regions of text.

AWARDS

- 2005 ACM International Collegiate Programming Contest **World Finals: Honorable Mention**
- 2004 University Interscholastic League State Computer Science **Division 5A State: 1st Place**
- 2004 Texas Computer Education Association Programming Competition **Division 1 State: 2nd Place**