

Zhenchuan Ma

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

Full-stack engineer passionate about tech, open source, learning, startups, and building usefun™ things.

EXPERIENCE

Amazon.com - Corporate Project

Seattle, Washington

Software Development Engineer

May 2014 – Present

- Designed, architected, and implemented various tier-1 platform services for an ultra high impact stealth project launching soon™.
- Built various tools for fellow devs using AngularJS, coffeescript, and threejs.

Google - Hangouts Analytics

Kirkland, Washington

Software Engineer

Oct 2012 – April 2014

- Supported launch of Google Hangouts with cross stack logging and analytics improvements to ensure that we have solid, accurate user data during launch.
- Implemented log analytics pipelines in MapReduce that aggregate terabytes of daily Hangout logs. Presented metrics in an executed dash that was reviewed by Vic Gundotra daily.

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 emphasis on security and data 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 marketplace product ingestion.
- Designed and implemented an internal RoR site with haml and 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.

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EDUCATION

The University of Texas

B.S. in Computer Science – Turing Scholars Honor Program

Austin, Texas

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

SKILLS

- Over 10 years of experience with building scalable, distributed systems in Java
- Fluent in reading, writing, and conversing Mandarin Chinese
- Incredibly fast learner. Possessing high degree of bias for action. Delivers results fast with high standard for quality. Works very well with others.
- Technical familiarity with the following:
 - Programming Languages:* Java, JavaScript (ES6), CoffeeScript, Ruby, Python, C, C++, Bash
 - Frameworks/Libraries:* Spring, Hibernate, MapReduce, jQuery, Bootstrap, Rails, haml, SASS/LESS, node.js, AngularJS, threejs, React, React Native, Android, iOS
 - Version Control:* Git, Perforce, Subversion
 - Operation Systems:* Mac OS X, Unix, Windows
 - Persistence Store:* Oracle, MySQL, PostgreSQL, S3, DynamoDB, RDS
 - IDE/Editor:* Vim, Eclipse, Sublime Text, IntelliJIDEA, Android Studio, Xcode, Atom
 - Services:* AWS EC2, S3, DynamoDB, CloudFront, EMR, SWF, SQS, SNS, Kinesis, Code Deploy
 - Design Tools:* Sketch 2, Adobe Fireworks, Adobe Photoshop, Gimp

PERSONAL PROJECTS

- [Cast for Reddit](#) - Turn reddit into a slideshow on TV. Supports Chromecast from browser. Android and iOS support coming soon.
- [HearthCards](#) - A HearthStone card browser that works, and works well.
- [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 **3500 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**