Michelle D. Zhang

122 Sterling Place, Apt. 2D, Brooklyn, NY 11217 • 201.290.4969 • zhang.michelle.d@gmail.com • mdzhang.com

Education

Barnard College · Columbia University
Bachelors of Arts in Computer Science, *Cum Laude, May 2015*

- Tools of choice included **Java**, **C**, **Python**, **git**, and standard **UNIX command line** tools (make, vim, grep, etc.)
- Took courses in data structures, OOP, networks, algorithms, databases, AI, operating systems, compilers, etc.

Experience

Blue Apron
Software Engineer, *June 2016 - present*

Abacus Labs, Inc
Full-Stack Software Engineer, *June 2015 - June 2016*

- Hired as the 7th employee, architected and engineered features end-to-end for an expense management company using **Node.JS**, **Express**, **AngularJS**, **HTML**, **Stylus**, **MySQL**, **Sequelize, Redis**, and **git**
- Improved expense search and filter capabilities, added ability to save searches, and added ability to create auto approval rules based on saved searches
- Built new team management page to better support large companies and support new people tags feature
- Planned and executed the migration from a group-oriented approval flow to a manager-oriented approval flow
- Added a variety of other core features including but not limited to the ability to send and receive payments, have profiles with different companies, resubmit denied expenses, change manager for an expense, sync Abacus with Salesforce, have a dedicated receipt forwarding email, manually map tags to accounting categories etc.
- Wrote tests using **mocha**, **chai**, and **supertest** (backend) and **Karma** and **PhantomJS** (frontend)
- Tracked metrics using **Datadog** and **statsd** and used them to troubleshoot issues and measure progress towards OKRs
- Cut production deploy speeds from 400-900 seconds to 90-250 seconds using **Deployinator**, **AWS**, and **rsync**
- Collaboratively formed and adhered to code best practices and standards

Whisk (formerly Zypsee, Inc)
Software Engineering Intern, *May 2014 - May 2015*

- Hired as a summer intern and then continued to work remotely in my senior year of college, engineered solutions for an online black car dispatching company
- Built a service using **Groovy on Grails** that let operators and drivers visualize areas of high mobile app user demand and low or clustered driver coverage throughout New York City and tools to help them redistribute coverage accordingly
- Built a web page using **AngularJS 1.2**, **HTML**, and **CSS** that lets users reserve rides through Whisk, update their reservations, and view their past rides
- Built a web page that let concierges reserve rides on behalf of other users using **jQuery**
- Had every commit to **SVN** reviewed thoroughly on **Reviewboard** by another software engineer or engineering intern.

COMS 1004 Intro to CS/Programming in Java, Computer Science Department, Columbia University
Teaching Assistant, *September 2013 - May 2014*

- Held weekly office hours, graded weekly theory and **Java** programming assignments, and answered student questions through an online Q&A platform for an introductory computer science class of over 400 students