

HANZHANG (LINDA) ZHENG

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EDUCATION

Rice University – Houston, TX
Bachelors in Computer Science, Statistics

August 2012 – May 2016 (expected)
GPA: 3.65

Southridge High School – Beaverton, OR
International Baccalureatte Diploma

September 2008 – June 2012
GPA: 3.98 (weighted 4.45)

TECHNICAL PROFICIENCY

<i>Proficient in:</i>	Java, Javascript, Python
<i>Comfortable with:</i>	SQL, C, C#, R, MATLAB, JQuery, ASP.NET, HTML/CSS
<i>Some experience with:</i>	C++, Assembly

EXPERIENCE AND PROJECTS

PROS – Product Engineering Intern II *Sep 2015 – May 2016*

- Projects to be decided when internship starts

Chimehack 2 – Hackathon Participant *July 11th to 12th, 2015*

- Hosted by Chime for Change and Twitter, to develop solutions and tools that promote safety for women and girls
- Built an Android app that detect signals (shake, tap, knock, button presses, etc.) and send contacts a customized message for help, when in dangerous or threatening situations

Shape Security –Software Development Intern, KPCB Engineering Fellow *May - Aug 2015*

- Upgraded Shape's open source project, Shift, to support tooling for ECMAScript 2015 (Java)
- Tools include: AST node generator, Parser, Code Generator, AST Validator, Fuzzer, Reducer, (De)Serializer
- Speaker at South Bay JavaScript MeetUp

Rice Computer Science Senior Design Project (Advanced Computer Game Creation) *Jan - May 2015*

- Multi-player, cross-platform game, combining game-play mechanics of Doodle Jump and Mario Kart

PROS – Product Engineering Intern *May - Aug 2014*

- Project 1 – Built tool to parse log files and interactively display data (Logstash, Elasticsearch, Kibana)
- Project 2 – Built task to send daily email of flight booking summary analytics, using map-reduce algorithms (Java)
- Project 3 – Created Notification Service using REST API that sends notifications and allows user customizations (Java)
- Project 4 – Created Notes Service using REST API that enables users to create, modify, or delete notes (Java)
- Project 5 – Built validation utility to validate all input data from users (Java, SQL)

Rice University – Teaching Assistant *Jan – May 2014, 2015*

- Assessed students' programming assignments and exams for the intro CS course (Python)
- Held weekly office hours to assist students with assignments

Rice Center for Digital Learning and Scholarship – Student Web Programmer *Sep - Dec 2013*

- Built webpage with interactive practice questions for various subjects to help students learn and practice new information (JavaScript/JQuery, Backbone/Marionette, CSS3, HTML5)

Jones McClure Publishing – Software Development Intern *May - Aug 2013*

- Project 1 & 2 – Built two dynamic web applications and their mobile-compatible versions (MVC ASP.NET, C#, JavaScript/JQuery, HTML, CSS). One to calculate court date for lawyers, another to calculate amount of child support to be paid.
- Project 3 – Re-wrote Administration site to keep track of and display user subscriptions, payments, products, and other business-related data (MVC ASP.NET framework, C#, SQL, HTML, CSS)
- Project 4 – Wrote substitute Community Plug-in for FogBugz, which allows non-IT employees to report any bugs found in the software to the IT department (C#, SQL)

RELEVANT COURSEWORK

- *Current Fall 2015 Courses: Artificial Intelligence, Data Mining and Machine Learning, Tools for Data Science*
- Operating Systems and Concurrent Programming (C) – Kernel, file systems, paging, memory allocation, monitors
- Introduction to Database Systems (Java, SQL) – SQL programming, ER models, database design, SQL compiler
- Advanced Object Oriented Programming (Java) – Java design patterns, MVC, polymorphism
- Compilers (Java) – theory, design, and algorithms for engineering and compiler
- Design/Analysis of Algorithms (Java) – advanced algorithms course
- Systems (C, Assembly) – operating systems, web proxy, memory allocation, assembly, compilation
- Financial Time Series (R) – applied time series modeling and forecasting
- Regression Analysis (R) – linear regression, least squares, modeling, analysis of variance