Linda (Hanzhang) Zheng

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EDUCATION

RICE UNIVERSITY
BS in Computer Science, Statistics
Graduated May 2016 | Houston, TX
GPA: 3.7

COURSEWORK

COMPUTER SCIENCE
Artificial Intelligence
Adv. Computer Game Creation & Design
Operating Systems
Concurrent Programming
Database Systems and Design
Object Oriented Programming
Compilers
Adv. Algorithms

STATISTICS
Data Mining & Statistical Learning
Financial Time Series
Regression Analysis
Bioinformatics

SKILLS

PROGRAMMING
Java • Python • JavaScript/Typescript • R • Matlab • C • C++ • CSS • Kotlin • Swift

FRAMEWORKS
Spring • Angular • React • AWS • Android • iOS

EXPERIENCE

CAPITAL ONE | Software Engineer
July 2016 – Present | Plano, TX
- Promotion from Associate to Senior Associate after 1 year.
- Developed Customer Feedback Listener as a standalone Angular Component to be easily integrated with all Financial Services applications. Backend developed in Java, deployed using AWS with PostgreSQL database.
- Built developer platform for Business Analysts and Data Scientists as a "playground" to explore all Marketing data collected by Capital One, using Open Source Zeppelin Project, and adding additional features such as connection to Redshift Cluster, Schema Browser, SQL Parser/Linter and Visualizer.
- Programmed Robot Arm using RNN Machine Learning algorithms to imitate handwriting for "Surprise and Delight" cards to customers.
- Technologies include AWS, Java with Spring, Angular with Typescript, Python.

SHAPE SECURITY | KPCB Fellow + Software Engineering Intern
May 2015 – Aug 2015 | Mountain View, CA
- 60 out of 2500+ applicants chosen to be a KPCB Engineering Fellow 2015.
- Shape Security is a leading Cyber Security Startup.
- Upgraded Shift, Shape's opence source project, to support tooling for ECMAScript 2015. Tools include: Abstract Syntax Tree node generator, Parser, Code Generator from AST, AST Validator, Fuzzer, Reducer, (De)Serializer.
- Speaker at South Bay JavaScript MeetUp.

PROS | Software Engineering Intern
May 2014 – Aug 2014 | Houston, TX
- Built tool to parse log files of important business systems and interactively display data using ELK stack.
- Built nightly email task to summarize flight booking statistics, using map-reduce algorithms.
- Created Notification Service and Notes Service for Travel Agent System.
- Built validation utility to validate input data from users.

RICE CENTER FOR DIGITAL LEARNING AND SCHOLARSHIP | Student Web Programmer
Sep 2013 – Dec 2013 | Houston, TX
- Built webpage with interactive practice widgets/quizzes for students across various subjects.

JONES MCCLURE PUBLISHING | Software Engineering Intern
June 2013 – Sep 2013 | Houston, TX
- Built two dynamic web applications and mobile-compatible versions (Income Tax Calculator and Child Support Calculator).
- Built Administration site to track and display internal business data.
- Wrote plug-in for FogBugs that allows non-IT employees to report bugs within the software.

OTHER PROJECTS

RECOMMENDATION SYSTEM COMPETITION | TERM PROJECT
Sep 2015 – Dec 2015 | Houston, TX
Class competition to build a system with the best recommendations for online dating profiles based on users' past ratings, using various statistical learning algorithms.

PAC-MITE COMPETITION | TERM PROJECT
Sep 2015 – Dec 2015 | Houston, TX
Class competition to find the best gene for a PAC-Mite species, using various AI and search algorithms that we learned throughout the semester.

CHIMEHACK 2 | HACKATHON PARTICIPANT + HONORABLE MENTION
July 2015 | San Francisco, CA
Built an Android app that detects certain signals/gestures and sends a customized distress message to selected contacts.

COMPUTER GAME CREATION | TERM PROJECT
Jan 2015 – May 2015 | Houston, TX
Multi-player, cross-platform game, combining the game-play mechanics of Doodle Jump, and competitive nature of Mario Kart.