

# YANJIA LI

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## EDUCATION

**CORNELL UNIVERSITY**, Ithaca, NY

Aug 2014 - Dec. 2015

Master in Information Science, Department of Computing and Information Science (GPA 3.5/4.0)

*Coursework: Machine Learning, Artificial Intelligence, Operating System, Large-scale Info System, Cloud Computing, Financial Engineering with Stochastic Calculus, Managerial Finance, Derivatives Securities, C++ Program*

**CHONGQING UNIVERSITY**, Chongqing, China

Sept. 2010 - Jun. 2014

Bachelor of Engineering in Communication Engineering, Department of Engineering (GPA 3.6/4.0)

*Coursework: Computer Network, Information Security, Computer Organization, Stochastic Signal, Signal Processing*

*Award: National Scholarship (Top 1%), First Prize in National Undergraduate Electronic Design Contest (Top 1%)*

## WORK EXPERIENCES

**Amazon.com**, Software Development Engineer Intern, Seattle, WA

May. 2015 - Aug. 2015

- ✓ Restructured the inbound transportation system for Amazon sellers for better scalability. Also migrated new APIs.
- ✓ Designed the scalable structure and implemented the system with Spring. Finished unit and integration testing.
- ✓ Deployed the project to product environment, which is currently used by millions of Amazon sellers every day.

**Cornell Employment and Disability Institute**, Web Developer, Ithaca, NY

Oct. 2014 - May. 2015

- ✓ Developed the manager toolkits and questionnaire feature for multiple websites. Worked with four students as a team.

## TECHNICAL SKILLS

<b>Programming Language:</b>	• Java/Spring	• Python/Django	• C/C++/Cocos2d-x	• Objective-C/Swift
<b>Web Development:</b>	• HTML5/CSS3	• JavaScript/Node.js	• PHP	• Ruby/Ruby on rails
<b>Data and Computing:</b>	• Hadoop/MapReduce	• MATLAB/Octave	• MySQL	• NoSQL/MongoDB

## SELECTED PROJECTS

**Distributed Data Analysis Applications based on Hadoop** (Java)

May. 2015

- ✓ A fast convergence page rank application and a dataset clustering application based on machine learning algorithms.
- ✓ Processed more than 800,000 lines of data with MapReduce. Deployed the system on Amazon's EMR.

**"Savorlink" (a food sharing website)** (Node.js/MongoDB/Semantic-UI)

Mar. 2015

- ✓ An Airbnb-like website for food sharing, which helps people to share their home cooking with their friends
- ✓ Led a team of four people to create a responsive UI design and a fully functional marketplace backend system.

**Distributed Fault-tolerant Session Management System** (Java)

Mar. 2015

- ✓ Designed session state in-memory database and cookie. Implemented the RPC Routines between machines through UDP for Gossip protocol. Deployed the 1-resilient system on AWS successfully.

**"Unbeatable" A Web Tetris Game with Artificial Intelligence** (HTML5/CSS3/JavaScript)

Nov. 2014

- ✓ An artificial intelligence agent for Tetris game, which can clear more than 40k lines and compete with best human player.
- ✓ Created a greedy algorithm with 6 heuristics. Optimized by Particle Swarm algorithm from data of 3k times gameplay.

## PERSONAL INTERESTS

- ✓ Basketball, wines, golf, archery, photography, travelling, workout, guitar, kayaking