Xi (Stephen) Chen

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EDUCATION

Rice University *Houston, TX*

B.S. in Computer Science (GPA 3.56/4) *Expected May 2019*

Relevant Coursework: *Python Programming, Software Engineering, Algorithmic Thinking, Reasoning about Algorithms, Machine Learning, Fundamentals of Computer Engineering, Differential Equations and Linear Algebra*

WORK EXPERIENCE

Software Engineering Intern *May-August 2016*

Boom Fantasy *New York City, NY*

- Contributed 100+ commits to production codebase of the company's live fantasy sports platform for major sports leagues, using full-stack JavaScript and NoSQL
- Redesigned live status tracking and display of fantasy tournaments registered by a user
- Created automated tests for user account system as well as fantasy sports tournaments lifecycle from tournament creation to rewarding money to winners at the end
- Implemented job queues to automate email delivery with user-specific data of 20,000 daily active users, as well as other operational tasks

Computational Biology Research Student *December 2012 - April 2014*

Harvard Medical School *Boston, MA*

- Performed statistical analysis using Java and R on 2GB+ genome sequencing data, investigating data biases and personal data sharing habits.
- Co-authored research manuscript that passed editorial review of top-ranked journal *New England Journal of Medicine*.

PROJECTS

AI Learns 2048 *January 2016*

- Co-authored machine learning program that trained to play mobile game 2048 using evolving neural networks, which improved initial score by 50 times
- Built dynamic visualization of the learning progress using Java, Node.js and Socket.io
- Submitted and presented project at HackRice competition

Homework Scribe *March - May 2015*

- Co-authored and published iOS work management application on iTunes; App received 4.5 star rating on iTunes and reached 1000 downloads in early Sept. 2015
- Built data storage mechanisms using SQLite and developed UI logic using Google material design

SKILLS

- **Proficient in:** JavaScript, Java, Python, NoSQL, Meteor.js, jQuery, HTML/CSS
- **Familiar with**: Git, MongoDB, Node.js, automated software testing, Mocha.js, Android. iOS