JIM XU

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Education:

Colorado State University, Fort Collins, CO   Aug 2016 – May 2018
B.Sc. Degree in Computer Science   GPA: 4.0/4.0
- Dean's List
- Admission Scholarship

Central China Normal University(CCNU) (2+2 program)   Aug 2014 – Jul 2016
B.Sc. Degree in Computer Science   GPA: 86.81/100
- CS First Rate Scholarship(top 3%)
- Twelfth ACM Invitational Programming Contest Central China Affiliated Universities, The Third Prize
- The First CCF Internet Application Design Competition, The Third Prize

Skills:
- C++, Java, Python, R, HTML5, SQL
- Git, JUnit, Waterfall Model, Scikit-Learn, Spark MLlib, MapReduce, TCP, NIO

Relevant Courses:

Object-Oriented Programming(C++), Java Language Programming, Distributed Systems, Bioinformatics, Abstract Algebra, Artificial Intelligence, Statistical Data Analysis, Algorithms Theory and Practice

Research & Projects:
Reinforcement Learning for Gomoku Game with Neural Network   Nov 2017 – Dec 2017
- Used Iterative Deepening Search finding local optimal move for opponent
- Combined Reinforcement Learning with a Neural Network as the Q Function

Trip Planer Application   Spring 2017
- Developed ReactJS web interface, glassfish web Server and Java DB using Scrum and TDD

Using Dijkstra's Shortest Paths to Route Packets in a Network Overlay   Feb 2017
- TCP based network multi-nodes communication

Using Thread Pools to Manage NIO Network Messages   Mar 2017
- Used Java synchronization mechanism to accomplish thread safety

United States Census Data Analysis Using MapReduce   April 2017

Using Scala for Scalable Analytics Based on Spark   May 2017

Experiments & Activities:
Teaching Assistant, For Algorithms Theory and Practice,
School of Computer Science, Colorado State University (CSU)   Aug 2017 – Dec 2017
- Assist in developing slides, worksheets, quizzes, exams and classes with instructor
- Evaluate assignments, and hold office hours for Q&As

Membership in Chinese Student & Scholars Association (CSSA), CSU   Aug 2016 – Sep 2017
- Assist in organizing campus events for CSU students guided by CSSA
- Design and perform a comedy in Spring Festival Celebration

Volunteer in Language Partner Program, organized by CSSA, CSU   Fall 2016, Fall 2017
- After-class language learning exchange and collaboration with English-native student

Membership in Student Association, CCNU   Aug 2014 – May 2016

Leader of CCNU ACM Team, CCNU   Nov 2014 – May 2016
- Organized ACM competition, offered ACM tutoring and training workshops

Academic Leader of College Class, CCNU   Aug 2014 - May 2016