BEIBIN LI

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EDUCATION

University of Michigan, Ann Arbor, MI Aug. 2013-May. 2015
College of Literature, Science, and the Arts
Bachelor of Science in Mathematics and Computer Science
Overall GPA: 3.62/4.0 | University Honors

Rhodes College, Memphis, TN Aug. 2010-May. 2013
Bachelor of Science in Mathematics and Computer Science
Overall GPA: 3.63/4.0, Presidential Scholarship

Course Highlights: Adv.Object-Oriented Programming, Introduction to Algorithms, Data Structure and Algorithm, Computer Organization, Theory of Computation, Introduction to Database, Introduction to Computer Security.
Language: C++, SQL, Java, Python, PHP, Swift

EXPERIENCE

Engineering IA (Instructional Aides) EECS 376 IA
Winter 2015
- IA in Theory of Computation, including DFA, CFL, Turing Machine, NP problems, etc.
- Teach Discussion sections. Hold office hours, and answer questions in Piazza
- Design section notes. Design homework and exams, and grade exams

May - Aug. 2014 **Transportation Research Institution, UM** *Research Assistant*
- Collected data and relevant information about the relationship between driving and distraction, and used JMP to do analysis, facilitating the research progress and improving data quality
- Used ISAT to design the visual road-vehicle mechanisms for the driving recognition system, and reviewed literature for interaction speed, expanding programming skills and applying to practice
- Actively engaged in human factor mini course, mainly tutoring students to learn using software, such as Jack, Morae, Cogtool, and IMPRINT and providing technical assistance to faculties

Feb. 2014 **The Mathematical Contest in Modeling (MCM)**
Honorable Mention -"Best College Sports Coaches"
- Applied R to analyze the college sports data, implemented linear regression to compute the distribution variances of data, and then used AHP (Analytic hierarchy process) to measure each factor, in order to evaluate the performances of college coaches hired during the past century
- Coordinated with other group members, scheduled routine group meeting and made connection with professors, seeking both academic and professional instructions and taking charge of final editing and publishing

2013 - 2014 **China Entrepreneurship Network, UM** *Member in Marketing team*
- Organized series of activities, such as China Business Challenge Competition and featured China Business Seminar, expanding brand influence of association

Campus Work **IT Specialist, Technology Service of University of Michigan**
- Assisted with basic diagnosis of operating system, software, device setups, monitored and recorded testing results in defined databases, provide customer service and technical supports to faculty, students and staff

PROJECT

Meeting Manager (C++): Designed a meeting management software by using classes for abstraction and encapsulation; implemented linked-list, array, and string that behaved like build-in types, managed dynamically allocated memory with copy and move construction and assignment, used both basic and strong exception guarantees
Stock Exchange (C++): Designed an electronic exchange simulator by using priority queue to store buyers' and sellers' bids, and using hash-table to store each stock's information