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++ (Proficient), SQL, Java, Python, PHP, Swift

EXPERIENCE	**Engineering IA (Instructional Aides, Teaching Assistant)** *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, homework and exams, and grade exams
May - Aug. 2014	**Transportation Research Institution, UM** *Research Assistant*
	• Collect data and use JMP to analyze
	• Use ISAT to design the visual roads for the driving recognition system
	• Teach students using software: Jack, Morae, Cogtool, and IMPRINT.
Feb. 2014	**The Mathematical Contest in Modeling (MCM)**
	Honorable Mention -"Best College Sports Coaches"
	• Applied AHP (Analytic hierarchy process) to analyze the college sports data,
	• Use R to implement linear regression to compute the distribution variances of data.
	• Coordinated with other group members
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
2013	**IT Specialist, Technology Service of University of Michigan**
	• Assisted with diagnosis of operating system, software, device setups
	• Provide customer service and technical supports to faculty, students and staff

PROJECT	**Course Scheduler (html, PHP):** Complete back-end website design for students to schedule courses in the following year. Design and implement algorithm in PHP, and import 10,000 courses into SQL database. Coordinate with front-end developers.
	StagePlay (swift): Design an iOS software for drama players, drama directors, presentation givers to prepare their play or presentation, with features of line-by-line script display, videos recording, and cloud share service.
	Meeting Manager (C++): Design a meeting management software by using classes for abstraction and encapsulation; implement linked-list, array, and string that behaved like build-in types, manage dynamically allocated memory with copy and move construction and assignment, use both basic and strong exception guarantees.
	Medieval World Game(C++): Develop a command line game that allows the player to create different characters and buildings, e.g. soldiers who attack other characters, farms that store food, etc. Applied C++ idioms and design patterns (MVC, Composite, factory, etc.) so that new features can be added without changing the existing code.
	Stock Exchange (C++): Design an electronic exchange simulator by using priority queue to store buyers' and sellers' bids, and using hash-table to store each stock's information