

BEIBIN LI

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EXPERIENCE	Yale University School of Medicine	August. 2015 - Now
	<i>Research Fellow at Child Study Center</i>	
	<ul style="list-style-type: none">• Design Eye Tracking systems by using Presentation, SR Study, Eye Tribe, Arduino, etc.• Use C++ on Virtual Reality Projects; use Python and Matlab to analyze data	
	University of Michigan Engineering School IA	Jan. – May 2015
	<i>EECS 376 Instructional Aide (IA)</i>	
	<ul style="list-style-type: none">• Taught Discussion sections on Finite Automata, Context Free Language, Turing Machine, NP problems, etc.• Held office hours, and answer questions in online forum. More than 10 students come to my office every hour• Designed section notes, homework and exams, and grade exams for more than 300 students	
	Transportation Research Institution, UM	May 2014 – April 2015
	<i>Research and Teaching Assistant</i>	
	<ul style="list-style-type: none">• Collected transportation experiment data and use JMP and R to analyze• Designed visual roads for the driving recognition system using ISAT, so that experiment can be conducted• Taught students using software: Jack, Morae, Cogtool, and IMPRINT to practice human factor analysis	
	The Mathematical Contest in Modeling (MCM)	Feb. 2014
	<i>Honorable Mention - “Best College Sports Coaches”</i>	
	<ul style="list-style-type: none">• Applied AHP (Analytic hierarchy process) to analyze the college sports data• Implement linear regression to compute the distribution variances of data using R• Coordinated with other group members	
	China Entrepreneurship Network, UM	2013 - 2014
	<i>Core Member in Marketing team</i>	
	<ul style="list-style-type: none">• Organized series of activities, such as China Business Challenge Competition and featured China Business Seminar, expanding brand influence of association	
EDUCATION	University of Michigan, Ann Arbor, MI	
	<i>Bachelor of Science in Mathematics and Computer Science</i>	May 2015
	<ul style="list-style-type: none">• Overall GPA: 3.68/4.00 University Honors	
PROJECT	Course Highlights: Adv.Object-Oriented Programming, Introduction to Algorithms, Computer Organization, Theory of Computation, Introduction to Database, Introduction to Computer Security.	
	Meeting Manager (C++)	Sept.– Oct. 2014
	<ul style="list-style-type: none">• Designed a meeting management command line software by using classes for abstraction and encapsulation• Implemented linked-list, array, and string that behaved like build-in types; used strong exception guarantees• Managed dynamically allocated memory with copy and move construction and assignment	
	Medieval World Game(C++)	Oct. - Dec. 2014
	<ul style="list-style-type: none">• Developed a command line game that allows the player to create different characters and buildings• Applied C++ idioms and design patterns (MVC, Composite, factory, etc.) so new features can be added easily	
	Stock Exchange (C++)	Mar. 2014
	<ul style="list-style-type: none">• Designed an electronic exchange simulator by using priority queue to store buyers’ and sellers’ bids,• Stored each stock’s information using Hash-Table	
	Course Scheduler (C++)	Feb. 2015
	<ul style="list-style-type: none">• Completed back-end website design for students to schedule courses in the following year• Designed and implement algorithm in PHP, and import 10,000 courses into SQL database	
	<i>Coordinated with front-end developers</i>	
SKILLS	StagePlay (Swift, in AppStore)	
	<ul style="list-style-type: none">• An iOS Application for drama players to practice their lines and to collaborate with their partners• Main Feature: line-by-line display, performance recording, script editing, etc. Compatible with iPhone and iPad	
	Language: English (Fluent), Mandarin (Fluent), Cantonese; C++ (Fluent), SQL, Python, Swift, Matlab, R	
	Platforms: Windows, Mac OS, Linux	
Software: Office, Xcode, Vim, Visual Studio, Eclipse, R, JMP, Matlab, Mathematica, SPSS		