

JiaHeng Zhang

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EDUCATION

University of Southern California , <i>Los Angeles, CA</i> Master of Science , <i>Computer Science</i> – GPA: 3.8/4.0	Aug. 2014 - May. 2016 (Expected)
Xidian University , <i>Xi'an, P.R. China</i> Bachelor of Engineering , <i>Computer Science and Technology</i>	Aug. 2010 - Jun. 2014

WORK EXPERIENCE

Oben , <i>Pasadena, CA</i> Research Intern – Designed and implemented artificial intelligent chatbots using AIML; – Designed and implemented related web crawlers to automatically fetch, process and load data from web pages to databases.	Dec. 2015 - Present
Facebook , <i>Seattle, WA</i> Full Stack Engineer Intern , <i>Ads Payments Infra Team</i> – Designed and implemented internal visualization tool to show organizational hierarchy and detailed information for Atlas entities; – Implemented automatic core data migration and improved the accuracy of billing amount for Atlas Biller.	Jun. 2015 - Aug. 2015
University of Southern California , <i>Los Angeles, CA</i> Software Quality Assurance Tester , <i>Financial Aid Office</i> – Developed, maintained, and implemented test strategies, plans, procedures, and cases; – Evaluated and tested new or modified FAO software programs to verify the functions according to user requirements and conform to established guidelines.	Mar. 2015 - May. 2015
Microsoft Research Asia (MSRA) , <i>Beijing, P.R. China</i> Software Engineer Intern , <i>Innovation Engineering Group</i> – Participated in development of FaceSwap , a project for swapping faces in photos; – Implemented face detection, automatic alignment and manual alignment with constraints based on the latest face technologies from MSRA research teams; – Improved performance and re-designed user interface (UI) and user experience (UX).	Jul. 2013 - Jan. 2014

RELEVANT PROJECTS

Babel Babel is a social carpooling platform. It helps car owners to create events to have more tour mates on the car. On the other hand, it helps people who don't have a car to get a lift to a certain destination. – Designed and developed mobile App for Windows Phone 8.1;	Jan. 2015 - Feb. 2015
Bookit http://bookitapp.org (<i>Chinese</i>), <i>Team Leader, Designer, Developer</i> An application to help users to get library collection information using keywords or bar code of a book, consisting of server backend and multiple platform clients (Windows Phone, Android, iOS, Chrome, Firefox). – Implemented to fetch data from over 100 libraries in server with PHP and MySQL; – Developed client apps for Windows Phone and Android; – Publicized and promoted the app, leading to over 20 thousand downloads among college students in China.	Jun. 2011 - May. 2014
TencentCrawler A parallel web crawler for getting user comments of Tencent products from app stores, forums and weibo, and financial news from news providers. – Designed, implemented the crawling logic, data storage, parallelization and programming interface.	Mar. 2014 - Dec. 2014
NLM Parallel An application of my research result on parallelized Non-local Means (NLM) algorithm with heterogeneous computing based on OpenCL. – Analyzed serial NLM algorithm and designed a parallel scheme to speed up the algorithm up to 600x; – Designed architecture of the program and implemented communication with GPU; – Authored and published <i>A Solution for Speeding up Non-local Means Denoising Algorithm by GPU</i> on HPC China 2013 (National Annual Conference on High Performance Computing).	Sept. 2012 - Dec. 2012