Zijian Chen

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EDUCATION	 School of Software, Tsinghua University, Beijing, China Bachelor of Science in Computer Software Engineering Overall GPA: 92 / 100, Major GPA: 95 / 100, Rank: 1 / 57 	Aug 2013 – Jul 2017 (expected)
	• Overdii GPA. 32 / 100, Majoi GPA. 35 / 100, Kdiik. 1 / 5/	
RESEARCH &	System Group, Microsoft Research Asia	
PROFESSIONAL	Research Intern, System Group	Oct 2016 – Present
EXPERIENCE	 Project: Cutting the Cord of VR Headset Advisor: Yunxin Liu, Lead Researcher at Microsoft Research Asia 	
	 Completed a program which can extract the rendering frames of games and send them to a remote Desktop Applied a GPU JPEG algorithm to the program with a compression ratio of 10:1 but only 2ms latency 	
	Robert Mehrabian Collaborative Innovation Center, Carnegie Mellon University	
	■ Research Intern, Electrical and Computer Engineering Department	<u> </u>
	 Project: Using WiFi Signal to Detect the Position and Material of Obst 	tacles
	 Advisor: Swarun Kumar, Assistant Professor at ECE Department, Carnegie Mellon University Resolved Carrier Frequency Offset to obtain real Channel State Information 	
	 Implemented <i>SpotFi</i> algorithm to obtain positions of obstacles Designed a feature to classify different materials and implemented an algorithm to extract the feature 	
	Department of Marketing and Sales, Sogou Company	
	■ Software Engineering Intern, Hetang Group	Aug 2015 – Sep 2015
	Project: An app based on Wechat platform	
	 Contributed to the development of a social app for college students in a Designed the database and developed most of the back-end of the appl 	
SELECTED	 A Machine Learning Approach for Table Splitting 	May 2016 – Jun 2016
PROJECTS	 Implemented <i>TANE</i> algorithm to discover functional dependencies Contributed to an algorithm using functional dependencies and machine learning approach to split large tables for better performance 	
	■ Virtual Memory in Xv6	Dec 2015 – Jan 2016
	 Implemented virtual memory in Xv6 Operating System Implemented the page fault handling function and the FIFO page replacement algorithm 	
	■ Real-time Environmental Sensing System	Dec 2015
	 Developed a program on TinyOS to control sensors to collect environm Designed and implemented a protocol like Go-Back-N to ensure reliab 	nental data
	■ An FTP Server and Client	Nov 2015
	Implemented an FTP server and client according to RFC 959 standardWon Best Project Award in Architecture of Computer and Network	in C
	 An Artificial Intelligence for a game 	Apr 2014 – May 2014
	 Designed and implemented an AI which controls a group of five heroes to battle with another group of heroes Ranked top 12 among 190 participants and won an award in the 18th AI Programming Contest 	
LEADERSHIP	Student Association for Science and Technology, School of Software, Tsinghua University	
EXPERIENCE	■ Vice President	May 2015 – May 2016
	 Participated in the organization of the 20th Artificial Intelligence Programming Contest Led the online advertising group and propagandized the contest to college students in Beijing 	
AWARDS &	■ National Scholarship (1.8%)	Oct 2016
SCHOLARSHIPS	The Ministry of Education of the People's Republic of China	D 2015
	 Best Project Award in Architecture of Computer and Network Prof. Yunhao Liu and Prof. Zheng Yang 	Dec 2015
	Changhong Scholarship (3.3%)Tsinghua University	Oct 2015
	■ National Scholarship (1.8%)	Oct 2014
	The Ministry of Education of the People's Republic of China Movit Avond in the 19th Artificial Intelligence Programming Cont	oot (6.20/) Morr 2014

• Merit Award in the 18th Artificial Intelligence Programming Contest (6.3%)

• Student Association for Science and Technology, Computer Science, Tsinghua University

May 2014