

Yuhao Zhang

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EDUCATION	Peking University , Beijing, China	
	<ul style="list-style-type: none">▪ B.S. in Computer Science Sept. 2015 – Present<ul style="list-style-type: none">• Top Notch Class: target at innovative students for research• Honor Track Curriculum: Introduction to Computing (A), Practice of Programming in C&C++, Data Structure and Algorithms(A), Algorithm Design and Analysis, Compiler Lab, Operating Systems (A), Lab. on Operating Systems, Computer Networks• Cumulative GPA: 3.67 / 4.00	
RESEARCH EXPERIENCE	Software Analytics Group , Microsoft Research Asia	Sept. 2018 – Mar. 2019
	<ul style="list-style-type: none">▪ Research Assistant<ul style="list-style-type: none">• Project: Ideas in Excel• Supervisors: Lead Researcher Han Shi and Associate Researcher II Xiao Lv	
	System Lab, Software Engineering Institute , Peking University	
	<ul style="list-style-type: none">▪ Undergraduate Research Student Mar. 2017 – Present<ul style="list-style-type: none">• Project: An Empirical Study on TensorFlow Program Bugs, Detecting Numerical Bugs in TensorFlow Programs• Supervisors: Prof. Yingfei Xiong and Prof. Shing-Chi (S.C.) Cheung	
	Automated Software Engineering Group , University of Illinois Urbana-Champaign	
PUBLICATIONS	<ul style="list-style-type: none">▪ Summer Research Intern July 2018 – Sept. 2018<ul style="list-style-type: none">• Project: Neural Coverage Study• Supervisors: Prof. Tao Xie	
	<ul style="list-style-type: none">▪ Yuhao Zhang, Yifan Chen, Shing-Chi Cheung, Yingfei Xiong, and Lu Zhang, “An empirical study on TensorFlow program bugs” in <i>Proceedings of the 27th ACM SIGSOFT International Symposium on Software Testing and Analysis, ISSTA</i>, Amsterdam, The Netherlands, July 2018.	
PROJECTS & EXPERIENCE	Coursework Projects , School of Electronic Engineering and Computer Science (EECS) Peking University	
	<ul style="list-style-type: none">▪ Compiler Lab, A Safe Memory-leak Fixing For C Programs Feb. 2017 – June 2017<ul style="list-style-type: none">• To automatically detect and fix memory leaking in C programs.	
	<ul style="list-style-type: none">▪ Software Analysis, Parallel Detection in C for OpenACC Sept. 2016 – Jan. 2017<ul style="list-style-type: none">• To automatically add OpenACC statements into C codes for parallel acceleration.	
	Extra Curricular Projects , Peking University	
	<ul style="list-style-type: none">▪ Project: Peking University Course Scheduling System Sept. 2017 – Mar. 2018<ul style="list-style-type: none">• To arrange the schedule for all courses in Peking University automatically.	
	<ul style="list-style-type: none">▪ Project: PKURUNNER Apr. 2016 – Jan. 2018<ul style="list-style-type: none">• An application for recording running distance of students who take a P.E. class in one semester.	
	Teaching Assistant , Peking University	
	<ul style="list-style-type: none">▪ Algorithm Design and Analysis Feb. 2018 – June 2018	
AWARDS & SCHOLARSHIPS	<ul style="list-style-type: none">▪ Award of Excellence, Microsoft Research Asia Mar. 2019	
	<ul style="list-style-type: none">▪ SenseTime Scholarship, SenseTime Jan. 2019	
	<ul style="list-style-type: none">▪ Suzhou Industrial Park Scholarship, Peking University 2018<ul style="list-style-type: none">• For outstanding performance in the academic year of 2017-2018.	
	<ul style="list-style-type: none">▪ Merit Student, Peking University 2018<ul style="list-style-type: none">• For outstanding performance in the academic year of 2017-2018.	
	<ul style="list-style-type: none">▪ Fourth Place, ACM-ICPC, Ho Chi Ming City Regional, Vietnam Dec. 2017	
	<ul style="list-style-type: none">▪ Gold, ACM-ICPC, Xian Regional, China Oct. 2017	
	<ul style="list-style-type: none">▪ Schlumberger Scholarship, EECS Department, Peking University 2017	

- For outstanding performance in the academic year of 2016-2017.
- Merit Student, Peking University 2017
 - For outstanding performance in the academic year of 2016-2017.
- Gold, ACM-ICPC, China-Final, China Dec. 2016
- Seventh Place, ACM-ICPC, Yangon Regional, Myanmar Dec. 2016
- Gold, ACM-ICPC, Dalian Regional, China Oct. 2016
- iPinYou Scholarship, EECS Department, Peking University 2016
 - For outstanding performance in the academic year of 2015-2016.
- Award for Scientific Research, Peking University 2016
 - For outstanding performance in the academic year of 2015-2016.
- Gold, ACM-ICPC, Hefei Regional, China Oct. 2015

LANGUAGES

- Chinese: Native language.
- English: Fluent.
 - TOEFL: 107 (R30 + L30 + S22 + W25).
 - GRE: Verbal 157 + Quantitative 170 + Writing 4.0

SKILLS

C, C++, C#, Python, Java, Scheme, Ocaml, \LaTeX