

# Zhifei Yang (杨志飞)

Personal Information	☎ (86) 130-2999-0587	🏢 Microsoft Building 2, No.5 Dan Ling St. Beijing 100080, China
	🏠 <a href="http://zhifei.me">http://zhifei.me</a> ✉ <a href="mailto:y@hit.edu.cn">y@hit.edu.cn</a> , <a href="mailto:xividyzf@gmail.com">xividyzf@gmail.com</a>	♡ Piano, Guitar, Singing, Writing, Swimming
Research Interests	<ul style="list-style-type: none"><li>• Distributed Systems</li><li>• Cloud Computing</li><li>• Operating Systems</li><li>• Programming Languages</li></ul>	
Education	<b>Harbin Institute of Technology</b> <i>Bachelor, Computer Science Elite Class</i> <i>Lab Member, HIT IBM Technology Center</i> <ul style="list-style-type: none"><li>• Major GPA: 89.20/100</li><li>• Overall GPA: 89.01/100</li></ul>	<b>Harbin, China</b> <i>Aug. 2013 ~ Jun. 2017</i> <i>Jun. 2014 ~ Jun. 2017</i>
	<b>The University of Hong Kong</b> <i>Exchange Student, Department of Computer Science</i> <ul style="list-style-type: none"><li>• GPA: 4.0/4.3</li></ul>	<b>Hong Kong, China</b> <i>Aug. 2015 ~ Jan. 2016</i>
Experiences	<b>Microsoft Research Asia, Systems Research Group</b> <i>Mentor: Lintao Zhang, Principal Researcher</i> Research Intern on Distributed Systems <ul style="list-style-type: none"><li>• Working on <i>ChaNa</i>: our extremely high performance distributed computing engine over RDMA</li><li>• Responsible for designing and developing a gradient boosting learning framework</li></ul>	<b>Beijing, China</b> <i>Aug. 2016 ~ Jan. 2017</i>
	Research Intern on Virtual Reality Systems <ul style="list-style-type: none"><li>• Surveyed, proposed and evaluated technical plans for building wireless VR systems</li><li>• Developed VR demo application integrating Microsoft Cognitive Service and Microsoft XiaoIce ChatterBot</li></ul>	<i>Jul. 2016 ~ Aug. 2016</i>
	<b>T.A. of The C Programming Language</b> <i>Instructor: Guibin Zheng, HIT Speech Processing Laboratory</i> <ul style="list-style-type: none"><li>• Designed problem sets, and won the course team's High-Quality Problems Prize</li><li>• Developed HIT-CTA: A problem-based code sharing and discussion platform acting as HIT's C programming language online Training Assistant</li></ul>	<b>Harbin, China</b> <i>Spring 2015</i>
	<b>T.A. of High-level Language Programming: Python</b> <i>Instructor: Wanxiang Che, HIT Information Retrieval Research Center</i>	<b>Harbin, China</b> <i>Fall 2014</i>
Selected Projects	<b>A Distributed Gradient Boosting Machine Learning System</b> <i>Final Year Project Conducted in MSRA</i> <ul style="list-style-type: none"><li>• An efficient, distributed gradient boosting learning framework on top of <i>ChaNa</i></li><li>• Performs over state-of-the-art frameworks both on efficiency and accuracy</li></ul>	<i>Sep. 2016 ~ Jan. 2017</i>
	<b>A C-like Programming Language and Compiler</b> <i>Course Project of Compiling Techniques, HKU</i> <ul style="list-style-type: none"><li>• Generates target assembly code for a stack machine simulator</li><li>• Supports references, static scoping, formatted I/O and multi-dimensional arrays</li><li>• Developed a 3-puzzle game in this language controlling an OpenGL GUI via pipes</li></ul>	<i>Dec. 2015</i>

**RISC-CPU with Multiple Interrupt Controller and LCD Display on Nexys 3 FPGA***Course Project of Computer Design and Implementation**Aug. 2015*

- A four-beat, single-thread CPU with button input and PmodLCD output
- An Intel8259-like multiple interrupt controller as an I/O device

**Bitcointalk Spider and Data Analysis***Advisor: Jin Wu, HIT IBM Technology Center**Mar. 2015 ~ May 2015*

- Developed an incremental crawler for posts and user data of Bitcoin Forum
- Verified the positive correlation between user activity and Bitcoin price over time

**Eatery Master***Advisor: Hongzhi Wang, Professor**Nov. 2013 ~ Jul. 2014*

- A website for students to share canteen experiences and recommended meal plans
- A united platform for canteens to publish news and respond to customer feedback
- Won Second Prize of HIT Freshman Innovation Project

**Selected Awards****National Scholarship**, China (highest scholarship in China) *Oct. 2016***Prize of Excellence** in ASC16 Student Supercomputer Challenge *Mar. 2016***CCF Outstanding Undergraduate Award** (103 undergraduates in China) *Oct. 2015***National Endeavor Scholarship**, China (top 2% in HIT) *Oct. 2015***Fung Scholarship**, The University of Hong Kong *Sep. 2015***First Class Scholarship**, HIT (top 3% in HIT) *Sep. 2015***Merit Student**, Heilongjiang Province (top 1% in Heilongjiang province) *Mar. 2015***Second Prize**, ACM/ICPC Programming Contest Heilongjiang Province *May 2014***First Class Scholarship**, HIT (top 3% in HIT) *Mar. 2014***Selected Activities**Attended **Fung Scholars Leadership Conference** in Hong Kong *Oct. 2016*Completed **Microsoft //oneweek Hackathon** with XiaolceVR *Jul. 2016*Completed **Visual Computing Summer School** of Shandong University *Jul. 2016*Selected into **MSRA Pre-PhD Class** (6 in HIT) *Jun. 2016*Attended **Fung Scholars Leadership Conference** in Singapore *Oct. 2015*Presided **Software Freedom Day**, Harbin Site *Sep. 2014*Completed **HIT-IBM Lab Hackathon** with *Linux Spotlight* *Jul. 2014*Created **HIT Piano Club** and Organized the **Summer Piano Concert** *Jul. 2014*Completed **HIT Outstanding Students Training Camp** (top 1% in HIT) *Jul. 2014*Selected into **National Experimental Plan on Elite Students Training in Basic Disciplines** *Feb. 2014***Programming Skills****System Programming:** C, C++, VHDL**Application Development:** C#, Java, Python, PHP**Daily tools:** Shell, Python, Haskell, SQL

Please visit my website <http://zhifei.me> to see full lists and details of my projects, awards and activities.