

Zhifei Yang

Personal Information	YANG Zhifei (杨志飞)		Tel: +86 130-2999-0587
	Computer Science Elite Class Compute Science and Technology Harbin Institute of Technology Harbin, China		Website & Blog: http://zhifei.me GitHub: https://github.com/Xivid Email: y@hit.edu.cn , xividyzf@gmail.com Hobbies: Piano, Guitar, Singing, Swimming
Research Interests	<ul style="list-style-type: none">• Distributed Systems• Cloud Computing• Operating Systems• Programming Languages		
Education	Harbin Institute of Technology		Harbin, China
	<i>Bachelor, Computer Science Elite Class</i>		<i>Aug. 2013 ~ Jun. 2017</i>
	<i>Lab Member, HIT IBM Technology Center</i>		<i>Jun. 2014 ~ Jun. 2017</i>
	<ul style="list-style-type: none">• Major GPA: 89.20/100• Overall GPA: 89.01/100		
Experiences	The University of Hong Kong		Hong Kong, China
	<i>Exchange Student, Department of Computer Science</i>		<i>Aug. 2015 ~ Jan. 2016</i>
	<ul style="list-style-type: none">• GPA: 4.0/4.3		
	Microsoft Research Asia, Systems Research Group		Beijing, China
	<i>Mentor: Lintao Zhang, Principal Researcher</i>		
	Research Intern on Distributed Systems		<i>Aug. 2016 ~ Jun. 2017</i>
	<ul style="list-style-type: none">• Working on <i>ChaNa</i>: our extremely high performance distributed computing engine over RDMA• Responsible for designing and developing a gradient boosting learning framework		
	Research Intern on Visual Reality Systems		<i>Jul. 2016 ~ Aug. 2016</i>
	<ul style="list-style-type: none">• Surveyed, proposed and evaluated technical plans for building wireless VR systems• Developed VR demo application integrating Microsoft Cognitive Service and Microsoft XiaoIce ChatterBot		
	T.A. of The C Programming Language		Harbin, China
	<i>Instructor: Guibin Zheng, HIT Speech Processing Laboratory</i>		<i>Spring 2015</i>
	<ul style="list-style-type: none">• Designed problem sets, and won the course team's High-Quality Problems Prize• Developed HIT-CTA: A problem-based code sharing and discussion platform acting as HIT's C programming language online Training Assistant		
Selected Projects	T.A. of High-level Language Programming: Python		Harbin, China
	<i>Instructor: Wanxiang Che, HIT Information Retrieval Research Center</i>		<i>Fall 2014</i>
	A Distributed Gradient Boosting Learning Framework		
	<i>Final Year Project Conducted in MSRA</i>		<i>Oct. 2015 ~ Jan. 2017</i>
	<ul style="list-style-type: none">• An efficient, customizable, distributed gradient boosting learning framework• Built on top of <i>ChaNa</i>, aiming to perform over all existing frameworks		
	A C-like Programming Language and Compiler		
	<i>Course Project of Compiling Techniques, HKU</i>		<i>Dec. 2015</i>
	<ul style="list-style-type: none">• Generates target assembly code for a stack machine simulator• Supports references, static scoping, formatted I/O and multi-dimensional arrays• Developed a 3-puzzle game in this language controlling an OpenGL GUI via pipes		

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