

Jiajun Yao
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EDUCATION	Carnegie Mellon University , Pittsburgh, PA	December 2015
	School of Computer Science, Master of Computational Data Science	GPA 4.07
	Nanjing University , Nanjing, P.R. China	June 2013
	Bachelor of Engineering in Software Engineering	GPA 90.2
EXPERIENCE	Qiduo Information Technology Co., Ltd.	July 2013 - July 2014
	<i>Software Engineer, Founding member</i> <ul style="list-style-type: none">- A startup providing mobile applications for enterprise- In charge of server-side development for all mobile applications- Developed server-side software using PHP and Python that served >100K users- Developed an Android email client called LightMail	Beijing, P.R. China
	Qiduo Information Technology Co., Ltd.	July 2012 - July 2013
	<i>Software Engineer Intern, Founding member</i> <ul style="list-style-type: none">- Developed a cloud-based new mail checking and notification system- Developed an enterprise social website	Nanjing, P.R. China
PROJECT EXPERIENCE	YARN Gang Scheduler	November 2014 - December 2014
	<i>Team Member (2 developers)</i> <ul style="list-style-type: none">- A new heterogeneity-aware gang scheduler for the Hadoop YARN framework- Implemented scheduling policies: FIFO, SJF and delayed scheduling- Minimized the mean completion time of MPI and GPU jobs	Carnegie Mellon University, Pittsburgh, PA
	MapReduce Framework	October 2014 - November 2014
	<i>Team Member (2 developers)</i> <ul style="list-style-type: none">- A MapReduce framework that is distributed and fault-tolerant- Investigated the design and implementation of Hadoop and HDFS- Architected and developed a distributed file system like HDFS- Architected and developed a MapReduce facility like Hadoop	Carnegie Mellon University, Pittsburgh, PA
	Congestion Control with BitTorrent	October 2014 - November 2014
	<i>Team Member (2 developers)</i> <ul style="list-style-type: none">- A BitTorrent-like file transfer application on top of UDP- Architected and developed the server-side of the application- Implemented congestion control mechanisms: slow start, AIMD and fast retransmission	Carnegie Mellon University, Pittsburgh, PA
	HTTPS Server	September 2014 - October 2014
	<i>Individual Developer</i> <ul style="list-style-type: none">- A select()-based HTTPS1.1 server with CGI support- Architected and developed the server using C- Implemented HEAD, GET, POST and CGI- Implemented a HTTP parser using Flex	Carnegie Mellon University, Pittsburgh, PA
	LightMail Server-side	September 2012 - September 2013
	<i>Team Member (1 developer)</i> <ul style="list-style-type: none">- A cloud-based new mail checking and notification system for the LightMail iOS application- Architected and developed the system using Python Twisted- Solved the C10k problem- Served >15K users everyday	Qiduo Inc., Nanjing, P.R. China

RESEARCH EXPERIENCE	Recommender System for E-commerce Websites	
	State Key Laboratory for Novel Software Technology	May 2011 - May 2012 Nanjing University, P.R. China
	<ul style="list-style-type: none">- Undergraduate innovation project of Nanjing University- Studied data mining and applied related techniques to the "user cold start" problem- Developed basic research abilities including paper reading and oral reporting skills	
SKILLS	Languages:	Java, Python, PHP, C, C++, JavaScript
	Big Data Technology:	Hadoop, Spark, Hive, Shark, AWS
	Mobile Technology:	Android
	Web Technology:	Nginx, Twisted, Yii, jQuery
	Database Experience:	MySQL, SQLite
	Operating System:	Linux
	Tools:	Vim, Git, Eclipse, IntelliJ
PUBLICATION AND PATENT	Jiawei Yao, Jiajun Yao, Rui Yang, Zhenyu Chen. "Product Recommendation Based on Search Keywords," in <i>9th Web Information System and Application Conference</i> , Hainan, China, 2012	
	Zhenyu Chen, Jiawei Yao, Rui Yang, Jiajun Yao, Guobing Zhou. Patent "A Method for Product Recommendation Base on Search Keywords" (2012100500573)	
HONORS AND AWARDS	Excellent Graduate	Nanjing University, 2013
	Excellent Bachelor Thesis	Nanjing University, 2013
	Jiangsu Software Scholarship	Jiangsu Economic and Information Technology Commission, 2013
	People Scholarship	Nanjing University, 2010, 2012
	National Scholarship	Ministry of Education of P.R. China, 2011
	Excellent Student	Nanjing University, 2010, 2011