

SUMMARY	My research interests revolve around computer networks and systems. Recently, I work focuses on flash storage aggregation, funded by CRSS, UC Santa Cruz. I wish to build systems that are simple but future-proof.		
EDUCATION	<b>University of California, Santa Cruz</b> , California		
	Ph.D. Student, Computer Engineering	Sep 2018 – Now	
	<ul style="list-style-type: none"><li>• Advised by <a href="#">Chen Qian</a> and <a href="#">Heiner Litz</a></li><li>• Currently working on flash storage disaggregation</li></ul>		
	<b>Sichuan University</b> , Chengdu, China		
	B.Eng. Computer Science	Sep 2014 – Jul 2018	
	<ul style="list-style-type: none"><li>• Top-Notch Talent (in National Honor Program, admission rate: 4%)</li><li>• Overall GPA: 3.73 (2%, with honors), Top 4 in honor program</li></ul>		
RESEARCH EXPERIENCE	<b>Research Intern, Sichuan University</b>	Mar – Jun 2017	
	The key lab of network intelligence and knowledge engineering <i>Supervisor: Guanghong Lv, Professor</i>		
	<ul style="list-style-type: none"><li>• Composed the survey paper in Software-defined networking</li><li>• Conducted the research on optimized cache policy in ICN</li></ul>		
HONORS & AWARDS	Student Awards — Sichuan University		
	• Computer Science Star	June 2018	
	• Outstanding Gradute Student	May 2018	
	• Outstanding Student	Nov 2017	
	• Top-Notch Talent First-class Scholarship (Top 1%)	Nov 2017	
	• Top-Notch Talent Second-class Scholarship (Top 4%)	Nov 2015/2016	
	• Integrated first-class Scholarship (Top 2%)	Oct 2016	
	• Integrated third-class Scholarship	Sep 2015/2017	
	Student Awards — Ministry of Education, China		
	• National Scholarship (Top 1.5%)	Nov 2016	
	• Third Prize of China Students Service Outsourcing Innovation and Entrepreneurship Competition (Top 3%)	Oct 2016	
	Travel Awards — College of Computer Science, Sichuan University		
	• 2015 China National Computer Congress, Hefei, Anhui	Oct 2015	
	• Workshops in Hong Kong Polytechnic University, Hongkong	Jul 2015	

SELECTED PROJECTS	<b>Explore A SDN-based In-Network Caching Technique in ICN (PI)</b> Apr 2017 – Present
	<i>Advisor: Guanghong Lv, Funding: Top-Notch Talent Research Program</i>
	<ul style="list-style-type: none"> <li>• Improved the performance of in-network caching technique in ICN</li> <li>• Enabled SDN features to simplify the compatibility/management/policy</li> </ul>
	<b>Recloud – Hybrid Cloud Storage System (PI)</b> Apr 2016 – Apr 2017
	<i>Advisor: Guanghong Lv, Funding: Top-Notch Talent Research Program</i> <ul style="list-style-type: none"> <li>• Built a serverless hybrid cloud storage system, written in Python</li> <li>• Coordinated the overall design / the merge of heterogeneous storage</li> <li>• Developed the convenient and secure authentication module</li> </ul>
	<b>SafeMove - Safety Data Visualization Platform</b> Apr – Nov 2016
	<i>Advisor: Lei Duan, Funding: Undergraduate Training Programs for Innovation and Entrepreneurship (Province-Level)</i>
	<ul style="list-style-type: none"> <li>• Programmed a loose coupling and high throughput back-end systems</li> <li>• Supported 7*24 services and fast fail-over ability</li> </ul>
	<b>Wireless Camera based Real-time Pedestrian Counting System (PI)</b> Apr 2015 – Apr 2016
	<i>Advisor: Dezhong Peng, Funding: Undergraduate Training Programs for Innovation and Entrepreneurship (School-Level)</i> <ul style="list-style-type: none"> <li>• Built the real-time detecting/tracking system by using OpenCV &amp; QT</li> <li>• Designed the loose-coupled and extensible architecture</li> <li>• Boosted the recognizing &amp; detecting speed by 25x</li> </ul>
EXCHANGES	Zhejiang University, Zhejiang Jul – Aug 2016
	<ul style="list-style-type: none"> <li>• Participated in two-week course – Introduction to Computer System, instructed by Professor <b>Yale Patt</b></li> <li>• Got A+ for each assembly-language-level problem set</li> </ul>
	Hong Kong Polytechnic University, Hongkong Jul 2015
TECHNICAL COMPETENCE	<ul style="list-style-type: none"> <li>• Accomplished data sructure course within one week</li> <li>• Presented a theme talk on workshop about research methods</li> </ul>
	Language: Python, C/C++, Java, Prolog, HTML/CSS, Shell Script, matlab
	Library: Django, twisted, OpenCV, qt5
	DevOps: Git, Docker, nginx, UML
	Databases: Postpres
OTHERS	Networking: Mininet, Wireshark
	Editing: Vim, LaTeX
	Github page: My <a href="#">Github</a>
	Personal homepage: <a href="#">Minghao xie</a>