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HYUNJONG (JOSEPH) LEE

Education	Ph.D., Computer Science, University of Michigan at Ann Arbor	Current
	Advisors: Professor Brian Noble and Professor Jason Flinn .	
	M.S., Computer Science, University of Michigan at Ann Arbor	Dec. 2017
	Advisor: Professor Jason Flinn .	
	Ph.D., Computer Science, Georgia Institute of Technology	Dropped out ; May - Dec. 2015
	Advisor: Professor Karsten Schwan (deceased) .	
Experience	B.S., Computer Science, Georgia Institute of Technology	May 2015
	Graduated with Highest Honor (Summa Cum Laude).	
	Thesis: oPsai: Seamless Migration of Remote User Experience to Personal Cloud .	
	High School Diploma, Allen Academy, Bryan, Texas	May 2013

Experience	Systems Lab At Michigan	Jan. 2016 - Current
	Graduate research assistant in mobile systems and edge-cloud research.	
	Microsoft Research, Redmond, WA	May 2019 - Aug. 2019
	Research intern for edge cloud research (mentors: Shadi Noghabi and Landon Cox).	
	AT&T Labs - Research, Bedminster, NJ	Jun. 2018 - Aug. 2018
	Research intern for edge cloud research (mentors: HeeWon Lee and Yu Xiang).	
	Center for Experimental Research in Computer Systems	May 2015 - Dec 2015
	Graduate research assistant in mobile systems and edge-cloud research.	
Publications	Center for Experimental Research in Computer Systems	Aug. 2014 - May 2015
	Undergraduate research assistant in mobile systems and edge-cloud research.	
	Network Operations and Internet Security lab	Apr. 2014 - May 2015
	Undergraduate research assistant in mobile network measurement research. Part of BISmark project led by Professor Nick Feamster .	

Publications Conference

- HyunJong Lee**, Jason Flinn, and Basavaraj Tonshal. RAVEN: Improving Interactive Latency for the Connected Car, In *Proceedings of the 24th Annual International Conference on Mobile Computing and Networking (MobiCom)*, New Delhi, India, October-November 2018.
- Minsung Jang, **HyunJong Lee**, Karsten Schwan, and Ketan Bhardwaj. SOUL: An Edge-cloud System for Mobile Applications in a Sensor-rich World, In *Proceedings of the 1st IEEE/ACM Symposium on Edge Computing (SEC)*, Washington DC, October 2016.

Workshop

William Agnew, **HyunJong Lee**, Minsung Jang, Ada Gavrilovska, and Karsten Schwan. Reducing Mobile Throttling from Temperature by Offloading Apps, *Tiny Transactions on Computer Science* (TinyTOCS), Vol 4, 2015.

Minsung Jang, **HyunJong Lee**, Ketan Bhardwaj, and Karsten Schwan. vSensor: Toward Sensor-rich Mobile Applications, *Sensors to Cloud Architectures Workshop* (SCAW), held in conjunction with HPCA-21, San Francisco, California, February 2015.

Poster/Demo

HyunJong Lee, Hee Won Lee, Moo-Ryong Ra, Yu Xiang, and Jason Flinn. Poster: Accelerating Applications in the Fast-moving Devices with Proactive Provisioning, In *Proceedings of the 17th ACM International Conference on Mobile Systems, Applications, and Services* (MobiSys), Seoul, South Korea, June 2019.

HyunJong Lee and Jason Flinn. Poster: Redundancy Aided Vehicular Networking, In *Proceedings of the 15th ACM International Conference on Mobile Systems, Applications, and Services* (MobiSys), Niagara Falls, NY, June 2017.

HyunJong Lee and Jason Flinn. Poster: Reducing Tail Response Time of Vehicular Applications, In *Proceedings of the 1st IEEE/ACM Symposium on Edge Computing* (SEC), Washington DC, October 2016.

HyunJong Lee, Minsung Jang, William Agnew, Karsten Schwan, and Ada Gavrilovska. TeSLA: Thermal Service Level Agreement for Mobile Devices, *The 17th Workshop on Mobile Computing Systems and Applications* (HotMobile), St. Augustine, Florida, February 2016.

Talks

RAVEN: Improving Interactive Latency for the Connected Car	
Mobility and Networking Research group, Microsoft, Redmond, WA.	Aug. 2019
MobiCom'18, New Delhi, India.	Oct. 2018
Mobile Systems from Energy, Apps, and Sensors Perspective	
Efficient Computing group, Rice University, Houston.	Oct. 2015

Professional Service

Technical Program Committee, ACM S ³ workshop at MobiCom	2019
Shadow Program Committee, ACM Internet Measurement Conference (IMC)	2019

Teaching, Mentoring

<u>Teaching</u>	
University of Michigan, Ann Arbor, Michigan	Jan. 2018 - May 2018
Graduate student instructor for Advanced Computer Networks (EECS 589) course taught by Professor Peter Honeyman for Winter 2019 term (evaluation: 4.8/5.0).	
Georgia Institute of Technology, Atlanta, Georgia	Jan. 2015 - Aug. 2015
Teaching assistant for Graduate Introduction to Operating Systems (GIOS) course taught by Professor Ada Gavrilovska for Spring & Summer 2015 terms.	

Mentoring

Fang Han [UMich CS undergrad, now master at Carnegie Mellon University]	Fall 2018 - Winter 2019
Siyuan Sheng [UMich CS undergrad, now master at Carnegie Mellon University]	Fall 2016 - Winter 2017
Zihuan Diao [UMich CS undergrad, now master at Stanford University]	Fall 2016
Amit Kalay [UMich CS undergrad, now at Amex]	Summer 2016
Poorvaja Rajagopal [Georgia Tech ECE master, now at Amazon]	Fall 2015
Oleg Filatov [Georgia Tech CS undergrad, now at Microsoft]	Summer 2015
William Agnew [Georgia Tech CS undergrad, now Ph.D. at University of Washington]	Spring 2015

Grants

Student Travel Grant, The 24th Conference on Mobile Computing and Networking (MobiCom).	Oct. 2018
Student Travel Grant, The First IEEE/ACM Symposium on Edge Computing (SEC).	Oct. 2016
Student Travel Grant, The 25th ACM Symposium on Operating Systems Principles (SOSP).	Oct. 2015
Student Travel Grant, The Workshop on Supporting Diversity in Systems Research (Diversity).	Oct. 2015

Achievement

Georgia Tech Dean's List, awarded five consecutive semesters.	Dec. 2013 - May 2015
IEEE Cisco Network Competition, awarded 5th place.	Jan. 2014
Texas A&M Intelligent CSE Context, awarded 3rd place.	Oct. 2012
Advanced Placement, awarded AP National Scholar.	Sep. 2012
Cisco Systems Inc., awarded 2nd place in Networking Competition in Asia.	Jul. 2010
Cisco Systems Inc., certified CCIE R&S (# 25158) - <i>emeritus</i> .	Aug. 2009

Reference

Available upon request.

Last updated: December 11, 2019