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HYUNJONG (JOSEPH) LEE

- Education**
- Ph.D., Computer Science, University of Michigan at Ann Arbor. Current
Advisor: 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 \(deceased\)](#)
- 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.
- 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.
- 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 @ Princeton Apr. 2014 - May 2015
Undergraduate researcher in mobile network measurement, part of [BISmark](#).
formerly GT-NOISE 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 and Jason Flinn. 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. 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.

Book

HyunJong Lee. The Introduction to Network Architecture and Design (in Korean), ISBN# 978896023861, August 2012.

Teaching,
Mentoring

Teaching

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.

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] 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 Target] Summer 2016

Poorvaja Rajagopal [Georgia Tech ECE master, now at Dell] 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

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
CCIE R&S, Cisco Certified Internetworking Expert (CCIE# 25158) - *emeritus*. Aug. 2009

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

Reference **Available upon request.**

Last updated: February 8, 2019