

4929 CSE 2260 Hayward St.  
Ann Arbor, MI 48109.

✉ [hyunjong@umich.edu](mailto:hyunjong@umich.edu)  
🌐 <http://leelabs.org>

## 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 \(deceased\)](#).
  - 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.
  - Samsung Electronics, Dongtan, Hwaseong, South Korea Jan. 2021 - Feb. 2021  
Engineering intern for cloud resource monitoring system at DIT center in DS division.
  - Microsoft Research, Redmond, WA May 2019 - Aug. 2019  
Research intern for edge cloud research (mentors: [Shadi Noghiabi](#) 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.
  - 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

Systems Reading Group, Ann Arbor, MI.

Sep. 2018

Mobile Systems from Energy, Apps, and Sensors Perspective

Efficient Computing group, Rice University, Houston, TX.

Oct. 2015

Professional  
Service

Technical Program Committee, ACM SMS workshop at MobiSys

2021

Technical Program Committee, ACM S<sup>3</sup> workshop at MobiCom

2019

Shadow Program Committee, ACM Internet Measurement Conference (IMC)

2019

Teaching,  
MentoringTeaching

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 at VMware ~~master at CMU~~] Fall 2018 - Winter 2019  
 Siyuan Sheng [UMich CS undergrad, now at Rubrik ~~master at CMU~~] Fall 2016 - Winter 2017  
 Zihuan Diao [UMich CS undergrad, now at Google ~~master at Stanford~~] Fall 2016  
 Amit Kalay [UMich CS undergrad, now at Amex ~~Target~~] Summer 2016  
 Poorvaja Rajagopal [Georgia Tech ECE master, now at Amazon ~~Dell~~] Fall 2015  
 Oleg Filatov [Georgia Tech CS undergrad, now at Microsoft] Summer 2015  
 William Agnew [Georgia Tech CS undergrad, now Ph.D. at UW] Spring 2015

### Grants

Community Engagement Program (\$10K/year), SIGMOBILE Student Community Grant. 2021-  
 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) - *emeritus*. Aug. 2009

### Reference

**Available upon request.**

Last updated: July 6, 2021