Sauvik Das

Assistant Professor @ GT IC
http://sauvik.me
sauvik@gatech.edu | @scyrusk

Georgia Institute of Technology School of Interactive Computing	Assistant Professor	January 2018— Present

Selected Honors and Awards 🏆

2020	CHI Best Paper Honorable Mention [P21]
2019	CCC Leadership in Science Policy (LiSPI) Institute Fellow
	GVU People's Choice Award—First Place [P23]
2018	USENIX Enigma Invited Talk
2017	CHI Best Paper Honorable Mention [P16]
2016	CHI Best Paper Honorable Mention [P12]
	NSF EAPSI Fellowship
2015	NSA Best Scientific Cybersecurity Paper Award – Honorable Mention [P8]
2014	Qualcomm Innovation Fellowship
2013	UbiComp Best Paper [P5]
2012	National Defense Science and Engineering Graduate Fellowship (2012-15)
2011	Stu Card Graduate Fellowship (2011-2012)
	CMU CyLab CUPS Doctoral Training Program Fellowship (2011-13)
	Most Innovative Video Nomination, AAAI Video Competition [V1]

Grants

Awarded

Year	Source	Title	Amount	Role
2019	Facebook	Explainable Ads: Improving Ad Targeting Transparency with Explainable AI	$50,000	PI
2018	*NSF SaTC CRII*	Systems That Facilitate Cooperation and Stewardship to Improve End-User Security Behaviors	$175,000	PI
2016	*NSF SaTC Small*	Social Cybersecurity: Applying Social Influence to Cybersecurity (w/ Jason Hong & Laura Dabbish)	$500,000	Student
2013	*NSF SaTC EAGER*	Social Cybersecurity: Applying Social Psychology to Improve Cybersecurity (w/ Jason Hong & Laura Dabbish)	$200,000	Student

Submitted

Year	Source	Title	Amount	Role
2019	Facebook	Subversive Machine Learning: Countering surveillance with usable	$100,000	PI

Year	Source	Title	Amount	Role
		obfuscation		
2019	*NSF SaTC Medium*	Using Intelligent Social Agents to Support Better End-User Cybersecurity and Privacy Behaviors	$1,131,726	PI
		(w/ Mark Riedl)		
2019	*Google*	XCAPs: eXplainable, Context-Aware Permissions	~$50,000	PI
2019	*Mozilla*	Subversive Machine Learning: Countering surveillance with usable obfuscation	$40,000	PI
2019	*NSF S&CC*	Using Transformational Social Games to Motivate Cyber Hygiene in Smart & Connected Campuses	$150,000	PI
		(w/ Koji Yatani)		
2019	*GVU Seed*	Towards a Science of Social Cybersecurity	~$50,000	PI
		(w/ Omar Isaac Asensio)		
2019	*NSF ERC*	The Future of Aging, Health and Technology	?	Co-PI
		(GT Lead: Beth Mynatt)		
2018	*NSF Expeditions*	Self-Sustainable Computing: The Material for the 21st Century	?	Co-PI
		(GT Lead: Gregory Abowd)		

In Preparation for Submission

Year	Source	Title	Amount	Role
2020	*NSF SaTC Medium*	Corporeal Cybersecurity: Addressing the Abstraction Problem in Usable Cybersecurity (w/ Gregory Abowd)	$1,000,000	PI
2020	*GT Small Bets*	Chocolate Passwords: Edible Secret Codes to Make Ephemeral Shared Access More Social	$75,000	Co-PI

Academic Training & Education

Carnegie Mellon University, 2011-2017
M.S. / Ph.D. in Human-Computer Interaction
Advisers: Dr. Jason I. Hong and Dr. Laura A. Dabbish
Committee: Dr. Jeffrey P. Bigham (CMU) and Dr. J.D. Tygar (UC Berkeley)

University of Tokyo, 2016
Visiting Student Researcher (as part of NSF EAPSI Grant)
Adviser: Dr. Koji Yatani

Georgia Institute of Technology, 2006-2011
B.S. Computer Science—Media and Intelligence Threads
Adviser: Dr. Mark O. Riedl

Nanyang Technological University, 2008-2009
Exchange Student

Academic Publications

Google Scholar: http://scholar.google.com/citations?user=laPvCf4AAAAJ&hl=en&oi=ao

Refereed Conference and Journal Papers

[P27]   Jacob Logas, Rachel Zhong, Stephanie Almeida and **Sauvik Das**. Tensions with Access and Control in Makerspaces: A Multi-Stakeholder Approach. *In preparation to be submitted to ACM CSCW, April 15th.*

[P26]   Nancy Wang, Rachel Zhong, Tony Peng, Yuxi Wu and **Sauvik Das**. Ghost Trails: A Mixed-Methods Inquiry into the Design Space of Social Cues to Improve Security Behaviors. *In preparation to be submitted to ACM CSCW, April 15th.*

[P25]   Yuxi Wu, W. Keith Edwards and **Sauvik Das**. SoK: Social Cybersecurity: How Influence and Interconnectedness Affect End-User Cybersecurity and Privacy. *In preparation to be submitted to IEEE S&P Oakland, April 1st.*

[P24]   Youngwook Do *, Siddhant Singh *, Thad Starner, Gregory D. Abowd and **Sauvik Das**. Bit Whisperer: Acoustic Data-transmission to Simplify and Enhance Access Control over Short-range, Wireless Communications. *In preparation to be submitted to ACM UIST'20, April 1st.*

[P23]   Youngwook Do, Gregory D. Abowd and **Sauvik Das**. Spidey Sense: Designing Wrist-Mounted Haptics to Improve Awareness of Cybersecurity Warnings. *In preparation to be submitted to ACM UIST'20, April 1st.* **GVU People's choice award—First Place**

[P22]   Valerie Fanelle, Sepideh Karimi, Aditi Shah, Bharath Subramanian and **Sauvik Das**. Blind, But Still Human: Exploring More Usable Audio CAPTCHA Designs. *In submission to SOUPS'2020.*

[P21]   Hue L.P. Watson, Eyitemi Moju-Igbene, Akanksha Kumari and **Sauvik Das**. "We Hold Each Other Accountable": Unpacking How Social Groups Approach Cybersecurity and Privacy Together. *To appear In Proceedings of the 38th SIGCHI Conference on Human Factors in Computing Systems (CHI), 2020.* (Acceptance rate: 24.3%) **Best Paper honorable mention** (top 4% of submissions)

[P20]   **Sauvik Das**, David Lu, Taehoon Lee, Joanne Lo and Jason Hong. The Memory Palace: Exploring Visual-Spatial Paths for Strong, Memorable, Infrequent Authentication. *In Proceedings of the 32nd ACM User Interface Software and Technology Symposium (UIST), 2019.* (Acceptance rate: 24.4%)

[P19]   **Sauvik Das**, Laura Dabbish and Jason Hong. A Typology of Perceived Trigger for End-User Security and Privacy Behaviors. *In Proceedings of the Fifteenth Symposium on Usable Privacy and Security (SOUPS), 2019.* (Acceptance Rate: 23%)

[P18]   **Sauvik Das**, Joanne Lo, Laura Dabbish and Jason Hong. Breaking! A Typology of Security and Privacy News and How It's Shared. *In Proceedings 36th SIGCHI Conference on Human Factors in Computing Systems (CHI), 2018.* (Acceptance Rate: 26%)

[P17]   Jason Wiese, **Sauvik Das**, John Zimmerman and Jason Hong. Evolving the Ecosystem of Personal Behavioral Data. *HCI Journal Special Issue on The Examined Life: Personal Uses for Personal Data (2017).*

[P16]   **Sauvik Das**, Gierad Laput, Chris Harrison and Jason I. Hong. Thumprint: Socially-Inclusive Local Group Authentication Through Shared Secret Knocks. *In Proceedings of*

the 35th SIGCHI Conference on Human Factors in Computing Systems (CHI), 2017. (Acceptance Rate: 25%) **Best Paper honorable mention** (top 4% of submissions)

[P15] **Sauvik Das**. Social Cybersecurity: Understanding and Leveraging Social Influence to Increase Security Sensitivity. *German Journal of it – Information Technology Special Issue on Usable Security and Privacy, 2016.* **Invited paper**

[P14] **Sauvik Das**, Jason Wiese and Jason I. Hong. Epistenet: Facilitating Programmatic Access & Processing of Semantically Related Personal Mobile Data. *In Proceedings of the 18th International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI), 2016.* (Acceptance Rate: 23%).

[P13] Alexander de Luca, **Sauvik Das**, Iulia Ion, Martin Ortlieb and Ben Laurie. Expert and Non-Expert Attitudes towards (Secure) Instant Messaging. *In Proceedings of the 10th International Symposium on Usable Privacy and Security (SOUPS), 2016.* (Acceptance Rate: 28%)

[P12] Haiyi Zhu, **Sauvik Das**, Yiqun Cao, Shuang Yu, Aniket Kittur and Robert Kraut. A Market in Your Social Network: The Effects of Extrinsic Rewards on Friendsourcing and Relationships. *In Proceedings of the 34th SIGCHI Conference on Human Factors in Computing Systems (CHI), 2016.* (Acceptance Rate: 23%) **Best Paper honorable mention** (top 4% of submissions)

[P11] **Sauvik Das**, Jason I. Hong and Stuart Schechter. Testing Computer-Aided Mnemonics and Feedback for Fast Memorization of High-Value Secrets. *In Proceedings of the NDSS Workshop on Usable Security (USEC)*, 2016.

[P10] **Sauvik Das**, Alexander Zook, and Mark Riedl. Examining Game World Topology Personalization. *In Proceedings of the 33rd SIGCHI Conference on Human Factors in Computing Systems (CHI), 2015.* (Acceptance Rate: 23%)

[P9] **Sauvik Das**, Adam Kramer, Laura Dabbish and Jason I. Hong. The Role of Social Influence in Security Feature Adoption. *In Proceedings of the 18th ACM Conference on Computer Supported Cooperative Work (CSCW), 2015.* (Acceptance Rate: 28.3%)

[P8] **Sauvik Das**, Adam Kramer, Laura Dabbish and Jason I. Hong. Increasing Security Sensitivity with Social Proof: A Large Scale Experimental Confirmation. *In Proceedings of the 21st Conference on Computer and Communications Security (CCS), 2014.* (Acceptance Rate: 19.5%). **Honorable mention for NSA best scientific cybersecurity paper in 2014** (Top 3 out of 50 anonymous nominations)

[P7] **Sauvik Das**, Tiffany Hyun-Jin Kim, Laura Dabbish and Jason I. Hong. The Effect of Social Influence on Security Sensitivity. *In Proceedings of the 8th International Symposium on Usable Privacy and Security (SOUPS), 2014.* (Acceptance Rate: 26.5%)

[P6] Eiji Hayashi, **Sauvik Das**, Shahriyar Amini, Jason Hong and Ian Oakley. CASA: Context-Aware Scalable Authentication. *In Proceedings of the 7th International Symposium on Usable Privacy and Security (SOUPS), 2013.* (Acceptance rate: 27%)

[P5] **Sauvik Das**, Eiji Hayashi, and Jason Hong. Exploring Capturable Everyday Memory for Autobiographical Authentication. *In Proceedings of the 2013 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp), 2013.* (Acceptance

rate: 23%). **Best Paper Award** (top 1% of all submissions)

[P4]   **Sauvik Das** and Adam Kramer. Self-Censorship on Facebook. *In Proceedings of the 7th International AAAI Conference on Weblogs and Social Media (ICWSM), 2013.* (Acceptance rate: 20%)

[P3]   Manya Sleeper, Rebecca Balebako, **Sauvik Das**, Amber McConohy, Jason Wiese, and Lorrie Cranor. The Post That Wasn't: Examining Self-Censorship on Facebook. *In Proceedings of the 16th annual ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW), 2013. (Acceptance Rate: 35.6%)*

[P2]   Emmanuel Owusu, Jun Han, **Sauvik Das** and Adrian Perrig. ACCessory: Keystroke Inference using Accelerometers on Smartphones. *In Proceedings of the 12th annual ACM/SIG International Workshop on Mobile Computing Systems and Applications (HotMobile), 2012.* (Acceptance rate: 20.6%)

[P1]   Ken Hartsook, Alexander Zook, **Sauvik Das**, and Mark Riedl. Toward supporting storytellers with procedurally generated game worlds. *In Proceedings of the 2011 IEEE Conference on Computational Intelligence in Games (CIG), 2011.*

Refereed Workshop Papers

[W3]   David Lu, Taehoon Lee, **Sauvik Das** and Jason Hong. Examining Visual-Spatial Paths for Mobile Authentication. *Who Are You?! SOUPS Workshop on Authentication in Usable Security (WAY).* 2016

[W2]   **Sauvik Das**, Thomas Zimmermann, Nachiappan Nagappan, Bruce Phillips, and Chuck Harrison. Revival Actions in a Shooter Game. *CHI Workshop on Designing and Evaluating Sociability in Online Video Games (DESVIG).* 2013.

[W1]   Eiji Hayashi, **Sauvik Das**, Shahriyar Amini, Emmanuel Owusu, Jun Han, Jason Hong, Ian Oakley, Adrian Perrig and Joy Zhang. CASA: context-aware scalable authentication. *SOUPS Workshop on Usable Privacy & Security for Mobile Devices.* 2012.

Patents

[PT3]   **Sauvik Das**, Gierad Laput, Chris Harrison and Jason Hong. Inclusive Group Authentication. *Provisional Patent Filed*

[PT2]   **Sauvik Das** and Adam Kramer. Systems and Methods for Managing Shared Content. *US Patent 2017/0041408.* 2017

[PT1]   **Sauvik Das** and Adam Kramer. Systems and Methods for Increasing Security Sensitivity Based on Social Influence. *US Patent 2016/0140341.* 2016

Visioning Workshop Papers

[V2]   **Sauvik Das**, Laura Dabbish and Jason Hong. Improving End-User Security Sensitivity by Making Security More Social. *CCC Sociotechnical Cybersecurity Workshop.* 2017

[V1]   Jason Hong, **Sauvik Das**, Tiffany Hyun-Jin Kim, Laura A. Dabbish. Social Cybersecurity: Applying Social Psychology to Cybersecurity. *Human Computer Interaction Consortium*

(HCIC). 2015.

Theses and Technical Reports

[T2] **Sauvik Das**. <u>Social Cybersecurity: Reshaping Security Through an Empirical Understanding of Human Social Behavior</u>. *CMU-HCII-17-100*. Doctoral Dissertation.

[T1] **Sauvik Das**, LaToya Green, Beatrice Perez, Michael Murphy, and Adrian Perrig. <u>Detecting User Activities Using the Accelerometer on Android Smartphones</u>. 2010.

Demos & Videos

[V1] Mark O. Riedl, Ken Hartsook, **Sauvik Das**, Alexander Zook, and Boyang Li. <u>Game Forge: An intellingent system that generates computer role playing games</u>. *In Association for the Advancement of Artificial Intelligence, Video Competition, 2011.* **Nominated for Most Innovative Video.**

Invited Talks

[T28] Social Cybersecurity: Reshaping Security Through An Empirical Understanding of Human Social Behavior. *Distinguished Lecture, American University. November 2019*

[T27] *Invited Keynote Speaker for Gartner Security & Risk Summit, August 2019 (declined).*

[T26] Reshaping End-User Cybersecurity: Finding the Next Dominant Design Pattern. *Google Fuschia Team, June 2019*

[T25] Reshaping End-User Cybersecurity: Finding the Next Dominant Design Pattern. *Symantec Research Labs, May 2019*

[T24] Social Cybersecurity: Reshaping Security Through An Empirical Understanding of Human Social Behavior. *Johns Hopkins Applied Physics Lab Seminar Series, November 2018*

[T23] Social Cybersecurity: Reshaping Security Through An Empirical Understanding of Human Social Behavior. *GVU Brown Bag Seminar Series, October 2018*

[T22] Social Cybersecurity: Reshaping Security Through An Empirical Understanding of Human Social Behavior. Georgia Tech IISP *Cybersecurity Lecture Series, August 2018*

[T21] Social Cybersecurity: Reshaping Security Through An Empirical Understanding of Human Social Behavior. GTRI *Seminar Series, April 2018*

[T20] Social Cybersecurity: Reshaping Security Through An Empirical Understanding of Human Social Behavior. *USENIX Enigma, January 2018*

[T19] Social Cybersecurity: Reshaping Security Through An Empirical Understanding of Human Social Behavior. *Stanford University, November 2017*

[T18] Social Cybersecurity: Reshaping Security Through An Empirical Understanding of Human Social Behavior. *CCC Research Symposium – Early Career Researcher Poster, October 2017*

[T18] Social Cybersecurity: Reshaping Security Through An Empirical Understanding of Human Social Behavior. *Georgia Institute of Technology IC, April 2017*

[T17] Social Cybersecurity: Reshaping Security Through An Empirical Understanding of Human Social Behavior. *University of Washington CSE, April 2017*

[T16] Social Cybersecurity: Reshaping Security Through An Empirical Understanding of Human Social Behavior. *University of California, Berkeley iSchool, April 2017*

[T15] Social Cybersecurity: Reshaping Security Through An Empirical Understanding of Human Social Behavior. *Princeton University CS, March 2017*

[T14] Social Cybersecurity: Reshaping Security Through An Empirical Understanding of Human Social Behavior. *University of Washington iSchool, February 2017*

[T13] Social Cybersecurity: Reshaping Security Through An Empirical Understanding of Human Social Behavior. *University of Minnesota CS&E, February 2017*

[T12] Social Cybersecurity: Reshaping Security Through An Empirical Understanding of Human Social Behavior. *University of Michigan CSE, February 2017*

[T11] Thumprint: Socially-Inclusive Local Group Authentication through Shared Secret Knocks. *CMU CHIMPS Lab, September 2016*

[T10] Social Cybersecurity: Understanding and Leveraging Social Influence to Increase Security Sensitivity. *TU Darmstadt, May 2016*

[T9] Increasing Security Sensitivity with Social Proof: A Large-Scale Experimental Confirmation. *NSA Best Scientific Cybersecurity Paper Award Ceremony, November 2015*

[T8] Social Cybersecurity: Understanding and Leveraging Social Influence to Increase Security Sensitivity. *Georgia Tech Entertainment Intelligence Lab, October 2015*

[T7] Thumprint: Socially-Inclusive Local Group Authentication through Shared Secret Knocks. *Qualcomm Innovation Fellowship, Winners Day, September 2015*

[T6] The Role of Social Influence in Security Feature Adoption. *Google UX-Privacy Lunch, June 2015*

[T5] The Role of Social Influence in Security Feature Adoption. *CUPS Lunchtime Seminar, March 2015*

[T4] Increasing Security Sensitivity with Social Proof: A Large-Scale Experimental Confirmation. *CUPS Lunchtime Seminar, October 2014*

[T3] Everyday Objects for Physical Space Authentication. *Qualcomm Innovation Fellowship, Winners Day, September 2014*

[T2] Self-Censorship on Facebook. *Facebook Faculty Summit, July 2013*

[T1] Pro-Social Behavior in a Shooter Game. *Microsoft Research, December 2011*

Selected Industry Research Experience

2015	**Google**	Worked on improving the value of privacy notifications using social and contextual cues.
	Zurich, Switzerland	
	Privacy Research Intern	
	Mentor: Dr. Sebastian Schnorf	

2014	**Microsoft Research**	Created a tool that lets lay people learn strong, randomly-assigned passwords with computer-assisted mnemonics.
	Seattle, WA, USA	
	Research Intern	
	Mentor: Dr. Stuart Schechter	

2013	**Facebook**	Analyzed how security tools diffuse through social networks and ran an experiment using social cues to improve security tool adoption.
	Menlo Park, CA, USA	
	Data Science Intern	
	Mentor: Dr. Adam D.I. Kramer	

| 2012 | **Facebook** | Defined, implemented and conducted a large-scale analysis of "self-censorship" on Facebook. |
| | Menlo Park, CA, USA | |

Data Science Intern
Mentor: Dr. Adam D.I. Kramer

2011	**Microsoft Research**	Ran a large-scale analysis associating pro-social behavior in a popular shooter game with retention and other metrics.
	Seattle, WA, USA	
	Research Intern	
	Mentor: Dr. Thomas Zimmermann	

Selected Press & Coverage 📰

Self-Censorship

The Atlantic. *71% of Users Engage in Self-Censorship*, http://www.theatlantic.com/technology/archive/2013/04/71-of-facebook-users-engage-in-self-censorship/274982/

Mashable. *71% of Users Engage in Self-Censorship*, http://mashable.com/2013/04/15/71-of-facebook-users-engage-in-self-censorship/

Huffington Post. *Self-Censorship on Facebook Is Common, Study Finds*, http://www.huffingtonpost.com/craig-kanalley/self-censorship-facebook_b_3095101.html

Digital Trends. How The Internet Has a Chilling Effect on Jokes. http://www.digitaltrends.com/opinion/context-internets-chilling-effect-jokes/#!HjbRo

US News. Consumers seek online privacy.

Pittsburgh City Paper. *Saving Face(book).* http://www.pghcitypaper.com/pittsburgh/saving-facebook/Content?oid=1718331

… much more (https://www.google.com/#q=self-censorship+on+facebook)

GameForge

Gamasutra. *A World Just For You.* http://www.gamasutra.com/blogs/MichaelCook/20130722/196678/The_Saturday_Paper__A_World_Just_For_You.php

Social Cybersecurity

Serene RISC Quartlery Knowledge Digest, http://www.serene-risc.ca/files/prod/page_files/7/SERENE-RISC-Quarterly-Knowledge-Digest-Sample.pdf

Financial Times. *Geeks like me put others of safe surfing.* http://www.ft.com/cms/s/0/b1b5e5d6-0dc9-11e5-aa7b-00144feabdc0.html#axzz3iy7j8sEy

Vice. *People Can't Tell What Apps Use Encryption, And Don't Really Care, Study Finds*. http://motherboard.vice.com/read/people-cant-tell-what-apps-use-encryption-and-dont-really-care-study-finds

SCS@CMU. *Skip the Password, Use "Secret Knocks" Instead*. http://www.cs.cmu.edu/news/skip-password-use-secret-knock-instead

Tech Target. *Social cybersecurity: Influence people, make friends and keep them safe.* http://searchcio.techtarget.com/feature/Social-cybersecurity-Influence-people-make-friends-and-keep-them-safe

Academic Service
Program Committee / Associate Editor

2020	ACM IMWUT (Associate Editor)
	ACM SIGCHI (Associate Chair—Engineering Interactive Systems & Technology Subcommittee)
2019	ACM IMWUT (Associate Editor)
	ACM SIGCHI (Associate Chair—Engineering Interactive Systems & Technology Subcommittee)
2018	ACM IMWUT [formerly UbiComp] (Associate Editor)

ACM SIGCHI (Associate Chair—Privacy, Security and Visualization Subcommittee)

2017   WWW (Security & Privacy Track)
AAAI ICWSM
USENIX SOUPS Poster Jury

2016   AAAI ICWSM

External Reviewer

2017   Transactions on Social Computing

2015+   MobileHCI, ToCHI, ISWC

2014+   ACM CSCW, Social Science Review, ACM IUI

2013+   ACM UbiComp, ACM MobiSys, IEEE Pervasive Computing

2012+   ACM SIGCHI (*Excellent Review Designation, 2015 - 2018*), ACM DIS

Teaching Experience

As Primary Instructor

CS 4/8803: Usable Privacy & Security, Georgia Institute of Technology

- Spring Semester 2019

CS4001: Computers, Society & Professionalism, Georgia Institute of Technology

- *Spring, Fall Semester 2018*

As Teaching Assistant or Invited Lecturer

05-3/820: Social Web: Content, Communities and Context, Carnegie Mellon University

- *Guest lecturer, Fall semester 2015*

05-4/633: Software Structures for User Interfaces – Mobile Lab, Carnegie Mellon University

- *Head TA Fall Semester 2012, Fall Semester 2013*

CS2340: Objects and Design, Georgia Institute of Technology

- *TA Spring Semester 2008*

CS1332: Data Structures & Algorithms, Georgia Institute of Technology

- *TA Fall Semester 2007*

Students Supervised

Georgia Institute of Technology

Ph.D. Students (as primary or co-advisor)

Youngwook Do	Fall 2018 – Present (w/ Gregory Abowd)
Yuxi Wu	Fall 2019 – Present (w/ W. Keith Edwards)
P. Jacob Logas	Fall 2019 – Present

Ph.D. Students (as project advisor)

Sena Sahin	Spring 2019 – Present
Suood AlRoomi	Fall 2020 – Present
Sindhu Ernala	Spring 2019 – Present
Ezra Goss	Spring 2020 – Present

Ph.D. Students (dissertation committee)

Alan Dingtian Zhang	2020	Towards Ubiquitous Self-Powered Ambient Light Sensing Surfaces

Ph.D. Students (quals committee)

Sindhu Ernala	Spring 2018
Clayton Feustel	Spring 2018
Sucheta Ghoshal	Spring 2018
Jung Wook Park	Spring 2019 – Spring 2020
Vedant Das Swain	Spring 2020
Stephen Eick	Spring 2020
Upol Ehsan	Spring 2020

Master's Students

Zhouyu Li	Spring 2020 – Present
Avinandan Basu	Spring 2020 – Present
Bu Li	Fall 2020 – Present
Sepideh Karimi	Spring 2019 – Fall 2020
Aditi Shah	Spring 2019 – Fall 2020
Bharath Chandrasekar	Spring 2019 – Fall 2020
Eyetemi Moju-Igbene	Fall 2018 -- Present
Linh Hoang	Fall 2018 -- Present
Cooper Colglazier	Fall 2018
Shweta Singhal	Fall 2018
Timothy Deeb-Swihart	Fall 2018
Priyanshu Jaiwar	Fall 2018
Tina Johnson	Fall 2018
Akanksha Kumari	Fall 2018 – Fall 2020
Jason Paul	Summer 2018
Hue Watson	Summer 2018 – Summer 2019

Undergraduates

Shweta Mohandas	Spring 2020 – Present
Tanay Gunmadi	Spring 2020 – Present
Stephanie Yang	Spring 2020 – Present
Valerie Fanelle	Spring 2019 – Fall 2020
Siddhant Singh	Spring 2019 -- Present
Rachel Zhong	Fall 2018 -- Present
Nancy Wang	Fall 2018 -- Present
Nancy Tao	Fall 2018
Ziang Ren	Fall 2018 -- Present

Ryan Qin	Fall 2018 – Spring 2019
Tong Peng	Fall 2018 – Present
Nikole McLeish	Fall 2018 – Spring 2019
Jenny Li	Fall 2018 – Spring 2019
Akum Kang	Fall 2018 – Spring 2019
Kris Satya	Fall 2018 – Spring 2019
Vamsi Desu	Fall 2018 – Spring 2019
Ilya Golod	Fall 2018 – Fall 2020
Davit Gabrielyan	Fall 2018 – Fall 2020

Carnegie Mellon University

Tuan Ahn Le	Fall 2016 – Fall 2017. CMU EE
Joanne Lo	Fall 2015 – Fall 2017. CMU SDS
Haley Bryant	Spring 2015. CMU SDS
Taehoon Lee	Fall 2014 – Spring 2016. CMU CS. *Publications:* W3
David Lu	Fall 2014 – Fall 2017. CMU CS *Publications:* W3
Yiqun Cao	Spring 2014 – Fall 2015. CMU BA *Publications:* P12
Shuang Yu	Spring 2014 – Fall 2015. CMU IS *Publications*: P12
Solon Mao	Fall 2014. CMU IS.
Ethan Chan	Spring 2014. CMU IS.
Barath Chandrashekhar	Spring 2014. CMU MHCI