Sriram Sami

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EDUCATION

- **National University of Singapore**   Singapore
  PhD, Computer Science (Ongoing)   *Aug. 2019 – Present*

- **National University of Singapore**   Singapore
  Bachelor of Computing, Computer Science, Honors (Highest Distinction)   *Aug. 2015 – May. 2019*

CONFERENCE PUBLICATIONS

- **Sriram Sami**, Sean Rui Xiang Tan, Bangjie Sun, and Jun Han, "LAPD: Hidden Spy Camera Detection using Smartphone Time-of-Flight Sensors". In Proceedings of 19th ACM Conference on Embedded Networked Sensor Systems (SenSys), Coimbra, Portugal, Nov. 2021.
  Acceptance Rate: 17.9% (25 of 139)
  This work received extensive media coverage including: <u>The Register</u>, <u>Forbes</u>, <u>New Scientist</u>, <u>DER SPIEGEL</u>, <u>TechRadar</u>, and many others.

- **Sriram Sami**, Yimin Dai, Sean Rui Xiang Tan, Nirupam Roy, and Jun Han, "Spying with Your Robot Vacuum Cleaner: Eavesdropping via Lidar Sensors". In Proceedings of 18th ACM Conference on Embedded Networked Sensor Systems (SenSys), Virtual Event, Nov. 2020.
  Acceptance Rate: 20.7% (44 of 213)
  This work received extensive media coverage including: <u>Forbes</u>, <u>ZDNet</u>, <u>ThreatPost</u>, <u>Channel News Asia</u>, and many others.

POSTERS AND DEMOS IN PROCEEDINGS

- **Sriram Sami**, Sean Rui Xiang Tan, Bangjie Sun, and Jun Han, "Poster Abstract: On Utilizing Smartphone Time-of-Flight Sensors to Detect Hidden Spy Cameras". In Proceedings of 19th ACM Conference on Embedded Networked Sensor Systems (SenSys), Coimbra, Portugal, Nov. 2021.

- **Sriram Sami**, Sean Rui Xiang Tan, Yimin Dai, Nirupam Roy, and Jun Han, "Poster Abstract: LidarPhone: Acoustic Eavesdropping using a Lidar Sensor". In Proceedings of 18th ACM Conference on Embedded Networked Sensor Systems (SenSys), Virtual Event, Nov. 2020.
  Best Poster Runner-up Award.

TEACHING EXPERIENCE

- **National University of Singapore**
  Teaching Assistant / Graduate Tutor   *Aug. 2018 – Present*
  Modules:
  - CS2106: Introduction to Operating Systems
  - CS2107: Introduction to Information Security

  Responsibilities:
  - Teach multiple tutorials each week.
  - Set and review tutorial questions.
  - Review course content developed by the instructor.
  - Set examination questions and grade scripts.
  - Manage a team of undergraduate tutors.

Teaching Ratings:

Module	Year & Semester	Teaching Rating	Department Average
CS2107	AY 2020/21 Semester 2	**4.8/5.0**	4.2/5.0
CS2107	AY 2019/20 Semester 2	**4.9/5.0**	4.1/5.0
CS2106	AY 2019/20 Semester 1	**4.7/5.0**	4.1/5.0
CS2106	AY 2018/19 Semester 2	**4.8/5.0**	4.1/5.0
CS2106	AY 2018/19 Semester 1	**4.9/5.0**	4.2/5.0

WORK EXPERIENCE

- **Yonah**

  Co-founder, Software Lead   *August 2016 – August 2018*

  - **Unmanned Aircraft Development**: Led software and avionics efforts efforts for unmanned aerial vehicles. These were designed to deliver 3 kg of vaccines over 100 km to villages in Papua New Guinea.
    Funding sources include the Singapore Defence Science Organization (DSO) and Robert Bosch GmbH.
  - **Google Summer of Code**: Worked on novel open-source autopilot code for the Ardupilot project, which was accepted into the 2017 Google Summer of Code program. Contributed code for tandem helicopter control, electronic fuel-injection unit management, and a rotor speed governor.

- **HOPE Technik**

  Software Engineering Intern   *May 2016 - August 2016*

  - **Unmanned Aircraft Systems Development**: Designed, programmed, and operated Ground Control Station (GCS) software for unmanned aerial vehicles, capable of simultaneous launch and recovery of multiple aircraft. This project was deployed on a national scale as part of a coordinated UAV light-show.

- **Institute for Infocomm Research**

  Research Intern   *March 2015 - August 2015*

  - **Coordinated Hand-Finger Rehabilitation Exergaming**: Integrated a Leap Motion hand tracker with a custom rehabilitation game for use by individuals with hand/wrist injuries. This project won an award at the Institute of Engineers Singapore Innovation Challenge.

- **Institute for Infocomm Research**

  Research Intern   *February 2010 - February 2012*

  - **MAIR: In-Home Rehabilitation Monitoring and Assessment System**: Developed a telemedicine physiotherapy system using activity recognition of data from body-worn inertial measurement units. This project was shortlisted for Singapore's Tan Kah Kee Young Inventors' Award.
  - **Fighting Financial Crime with Social Networks**: Used graph-theoretic concepts to identify suspicious individuals in a real-world dataset of financial actors. This project won an award in the Singapore Science and Engineering Fair.

PROFESSIONAL SERVICE

External Reviewer

- IEEE International Conference on Communication Systems and Networks (COMSNETS'22)
- IEEE International Conference on Distributed Computing Systems (ICDCS'21)
- ACM Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT'21)
- ACM/IEEE International Conference on Internet of Things Design and Implementation (IoTDI'21)
- IEEE International Conference on Communication Systems and Networks (COMSNETS'21)
- IEEE International Conference on Distributed Computing Systems (ICDCS'20)
- ACM Workshop on Mobile Computing Systems and Applications (HotMobile'20)
- ACM/IEEE International Conference on Internet of Things Design and Implementation (IoTDI'20)
- IEEE Wireless Communications and Networking Conference (WCNC'20)
- ACM Conference on Security and Privacy in Wireless and Mobile Networks (WISEC'20)