Swetank Kumar Saha

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Scholar

Education

2013-Present	**Ph.D. Candidate** Computer Science & Engineering University at Buffalo, SUNY, NY, US CGPA 3.81/4.0
2009-2013	**Bachelor of Technology** Computer Science & Engineering (*with Honors*) IIIT-Delhi, New Delhi, IN CGPA 9.01/10.0

Work Experience

2013–Present	**Research Assistant**, *University at Buffalo, SUNY*, NY, US.
2013–Present	**Teaching Assistant**, *University at Buffalo, SUNY*, NY, US. Designed and developed assignments and automated grader for the Modern Networking Concepts course https://cse4589.github.io/ [Github Source]
Summer 2017	**Research Intern**, *Hewlett Packard Labs*, Palo Alto, CA, US. LTE-Unlicensed/WiFi Co-existence in 5 GHz
Summer 2016	**Research Intern**, *IMDEA Networks Institute*, Madrid, Spain. 802.11ad (60 GHz) Indoor WLANs
Summer 2013	**Software Developer**, *Google Summer of Code 2013*, Google. Worked on the popular Android data collection framework Funf.
Summer 2012	**Research Intern**, *Airbus India, EADS Innovation Works*, Bangalore, India. Study and development of Image based localization techniques.

Projects

Language	**Project 1**. Designed and developed assignments and automated grader for the Modern Networking Concepts course https://cse4589.github.io/ [Github Source]

Selected Publications & Patents

C9 **Fast and Infuriating: Performance and Pitfalls of 60 GHz WLANs Based on Consumer-Grade Hardware**
Swetank Kumar Saha, Hany Assasa, Adrian Loch, Naveen Muralidhar Prakash, Roshan Shyamsunder Ananthara-makrishna, Shivang Aggarwal, Daniel Steinmetzer, Dimitrios Koutsonikolas, Joerg Widmer, and Matthias Hollick
IEEE International Conference on Sensing, Communication and Networking (**SECON**) *2018*

Awards

- **2nd Runner Up** ACM Student Research Competition (SRC) 2017 [P2]
- **Best Paper Runner Up** ACM WiNTECH 2017 [W4]
- **1st** prize at the UB School of Engineering & Applied Sciences (SEAS) Lightning Talk Competition
- **Winner** of the *Tally Innovation Award* at the All-India Jedi Project Challenge 2012, organized by IISc., Bangalore.
- Travel Grants
  – 2018: IEEE SECON, ACM SRC
  – 2017: ACM MobiCom, ACM SRC
  – 2016: ACM MobiCom, IEEE ICCC
  – 2015: ACM IMC, IEEE ICNP

Professional Service

Chair
- ACM Wireless of the Students, by the Students, and for the Students (S^3) Workshop 2018

Web Chair
- International Conference on Embedded Wireless Systems and Networks (EWSN) 2018
- ACM Workshop on Wireless Network Testbeds, Experimental evaluation & CHaracterization (WiNTECH) 2016

Technical Skills

Languages
C, Python, Java

SDRs
USRP, GNURadio, LabView

Linux
Wireless Device Drivers (ATH9K, ATH10K, WIL6210), TCP and MPTCP Networking Subsystem/Stack

Cloud
Google App Engine

Web
Django, PHP, HTML, js