

Emaad Ahmed Manzoor

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EDUCATION	Carnegie Mellon University, USA 2016 – Doctor of Philosophy, Information Systems. <i>Advisor:</i> Leman Akoglu.
	Stony Brook University, USA 2015 – 2016 Doctor of Philosophy, Computer Science. GPA: 3.89 / 4.0 <i>Advisor:</i> Leman Akoglu. <i>(Transferred)</i>
	King Abdullah University of Science and Technology, Saudi Arabia 2013 – 2015 Master of Science, Computer Science. GPA: 3.96 / 4.0 <i>Advisor:</i> Panos Kalnis. <i>Thesis title:</i> Scheduling broadcasts in a network of timelines.
	Birla Institute of Technology and Science - Pilani, India 2008 – 2012 Bachelor of Engineering (Honours), Computer Science. GPA: 8.17 / 10.0 <i>Co-op host organization:</i> Yahoo!, Bangalore, India.
RESEARCH EXPERIENCE	Securing Systems with Streaming Heterogenous Graph Mining Apr 2015 – <i>Advised by Leman Akoglu, DATA Lab, Stony Brook University.</i> Discovering advanced persistent threats from system event log streams. Project page: http://www3.cs.stonybrook.edu/~emanzoor/streamspot/
	Scheduling Broadcasts in a Network of Timelines January 2014 – May 2015 <i>Advised by Panos Kalnis, InfoCloud Research Group, KAUST.</i> Quantified the interaction between monotony aversion, bursty circadian rhythms and information overload, and designed a broadcast scheduling algorithm to maximise the expected attention received.
	Detecting Malware Android Applications Aug – Dec, 2013 <i>Advised by Xiangliang Zhang, MINE Lab, KAUST.</i> Applied graphical models from natural language processing to an Android permission dataset to reduce dimensionality in an interpretable manner. Evaluated its performance on a malware classification task.
PROFESSIONAL EXPERIENCE	Quantitative Engineering Design , San Francisco. Research Intern. Apr 2015 – Designing fault-tolerant distributed systems and algorithms for online learning from data streams.
	Oregon State University , Corvallis. Google Summer of Code Intern. May – Aug, 2014 Designed and developed a REST API and a CLI for IPMI management of datacenter machines.
	Yahoo! , Bangalore. Software Engineer. Jul 2012 – Aug 2013 Designed and developed a distributed system for low-latency event detection from content streams.
	Tachyon Technologies , Bangalore. Research Intern. May – July, 2012 Developed image processing algorithms to de-warp, recolor and digitise comic books.
	Yahoo! , Bangalore. Software Engineer Intern. Jul – Dec, 2011 Implemented a configuration mechanism for the event detection system. Full-time offer on completion.
	University of Massachusetts , Lowell. MVHub Summer of Code Intern. Jun – Sep, 2011 Built a Debian package for the MVHub web-application.
AWARDS	<ul style="list-style-type: none">Worldwide Top 100 (of 1720 teams), IEEE Xtreme 8.0 Programming Competition. 2014Best Mashery Hack & Travel Grant (\$500), PennApps X, Philadelphia (sponsored by Intel). 2014King Abdullah University of Science and Technology Fellowship. 2013Erasmus Mundus LCT Masters Scholarship¹ (awarded to 4 international applicants). 2013
LANGUAGES	C++, Python, Java, C.

¹Declined, having accepted the KAUST Fellowship.