

Emaad Ahmed Manzoor

350 Circle Road, Stony Brook, NY 11790
emaadahmed.manzoor@stonybrook.edu
www.eyeshalfclosed.com

EDUCATION	Stony Brook University, USA 2015 – Doctor of Philosophy, Computer Science. GPA: 3.89 / 4.0 <i>Advisor:</i> Leman Akoglu.
	King Abdullah University of Science and Technology, Saudi Arabia 2013 – 2015 Master of Science, Computer Science. GPA: 3.95 / 4.0 <i>Advisor:</i> Panos Kalnis. <i>Thesis title:</i> Scheduling broadcasts in a network of timelines. <i>Advanced coursework:</i> Computational complexity, stochastic processes, machine learning.
	Birla Institute of Technology and Science - Pilani, India 2008 – 2012 Bachelor of Engineering (Honours), Computer Science. GPA: 8.17 / 10.0
RESEARCH EXPERIENCE	Securing Systems with 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.
	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 data centre 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). 2013Employee Performance Bonus, Yahoo!. Q2, Q3 2013Winner, Random Hacks of Kindness, Bangalore. 2011
SERVICE	External reviewer for WWW, EuroSys, VLDBJ, CIKM. Organized TechFM, a weekly technical talk series at Yahoo! on math, science and technology.
LANGUAGES	Java, Python, C.

¹Declined, having accepted the KAUST Fellowship.