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
Advisor: Leman Akoglu.

King Abdullah University of Science and Technology, Saudi Arabia **2013 – 2015**
Master of Science, Computer Science. GPA: 3.96 / 4.0
Advisor: Panos Kalnis. *Thesis title:* 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
Co-op host organization: Yahoo!, Bangalore, India.

Research Experience

Securing Systems with Streaming Heterogenous Graph Mining **Apr 2015 –**
Advised by Leman Akoglu, DATA Lab, Stony Brook University.
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**
Advised by Panos Kalnis, InfoCloud Research Group, KAUST.
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**
Advised by Xiangliang Zhang, MINE Lab, KAUST.
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

- Worldwide Top 100 (of 1720 teams), IEEE Xtreme 8.0 Programming Competition. **2014**
- Best Mashery Hack & Travel Grant ($500), PennApps X, Philadelphia (sponsored by Intel). **2014**
- King Abdullah University of Science and Technology Fellowship. **2013**
- Erasmus Mundus LCT Masters Scholarship[1] (awarded to 4 international applicants). **2013**
- Employee Performance Bonus, Yahoo!. **Q2, Q3 2013**
- Winner, Random Hacks of Kindness, Bangalore. **2011**

Languages

C++, Python, Java, C.

[1] Declined, having accepted the KAUST Fellowship.