Emaad Ahmed Manzoor

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EDUCATION

King Abdullah University of Science and Technology **Aug 2013 – Aug 2015 (expected)**
Master of Science, Computer Science. GPA: 3.95 / 4.0
Thesis title: Scheduling broadcasts in a network of timelines. *Advisor:* Panos Kalnis.

Birla Institute of Technology and Science - Pilani **Aug 2008 – May 2012**
Bachelor of Engineering (Hons.), Computer Science. GPA: 8.17 / 10.0

WORK EXPERIENCE

Oregon State University, Corvallis. Google Summer of Code Intern. **May – Aug, 2014**
Designed and developed a REST API and a command-line interface facilitating infrastructure-wide
IPMI management of data centre machines over REST.

Yahoo!, Bangalore. Software Engineer. **Jul 2012 – Aug 2013**
Designed and built a distributed system for low-latency event detection from newswire, Twitter, and
Yahoo! Search streams.

Tachyon Technologies, Bangalore. Research Intern. **May – July, 2012**
Developed image processing algorithms to dewarp photographs, flatten color gradients and extract
comic panels. Advised by CEO and MIT TR35 awardee Ram Prakash Hanumanthappa.

Yahoo!, Bangalore. Software Engineer Intern. **Jul – Dec, 2011**
Extended the event-detection system to be centrally configurable and multithreaded. Implemented a
research prototype to detect geographically niche search trends. Full-time offer on completion.

University of Massachusetts, Lowell. MVHub Summer of Code Intern. **Jun – Sep, 2011**
Built a Debian package for MVHub, a directory of non-profit services maintained by the Community
Software Lab at the University of Massachusetts, Lowell.

RESEARCH EXPERIENCE

Scheduling Broadcasts in a Network of Timelines **January 2014 – Now**
Advised by Panos Kalnis, InfoCloud Research Group, KAUST.
Quantifying monotony aversion, bursty circadian rhythms and designing algorithms to schedule broad-
casts that maximize organic reach in a social network with chronological timelines.

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.

AWARDS

Worldwide Top 100 (of 1720 teams), IEEE Xtreme 8.0 Programming Competition. **2014**
Best Mashery Hack, PennApps X, Philadelphia (sponsored by Intel). **2014**
International Travel Grant, PennApps X, Philadelphia (sponsored by PennApps). **2014**
King Abdullah University of Science and Technology Fellowship. **2013**
Erasmus Mundus LCT Masters Scholarship[1] (awarded to 4 international applicants). **2013**
Winner, Random Hacks of Kindness, Bangalore. **2011**
Consultancy Development Cell Fellowship, Ministry of Science and Technology of India. **2009**

LANGUAGES

Java (preferred), Python, C.

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[1]Declined, having accepted the KAUST Fellowship.