Rohail Mustafa Syed

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OBJECTIVES

To advance the cause of learning and expand the realm of knowledge through research and collaboration with visionaries and thought leaders as part of a world class team. Carry out projects and studies which contribute towards understanding, investigating, designing and developing of viable solutions to interesting and challenging questions. To create market and social value through innovation and entrepreneurship!

EDUCATION

- PhD Information *(In-Progress)* CGPA: 3.787/4.00   2014-Present
  School of Information
  University of Michigan, Ann Arbor
- BSc Engineering   2010-2014
  School of Electrical Engineering and Computer Science (SEECS),
  National University of Sciences and Technology (NUST), Islamabad

WORKSHOPS & ONLINE COURSES

- Participated in Search as Learning (SAL) Workshop at SIGIR 2016   2016
- Conducted IEEE Flash Workshop for Engineering Students at NUST   2011
- Participated in IEEE Android Development Workshop   2011
- Machine Learning Online Course, Stanford University, USA   2011
- Introduction to Databases Online Course, Stanford University, USA   2011

WORK EXPERIENCE & ASSISTANTSHIP

- Graduate Student Research Assistant (GSRA) at University of Michigan   2014-Present
- Teaching Assistant (TA) for course of Engineering Economics at NUST   2012
- Summer Internship on Android Budget Management Project at NUST   2012
- Paid Research Internship – Android Based Home Automation   2012
  Project sponsored by National Radio and Telecom Corporation (NRTC)
- Research Internship – iTeach,uLearn innovative Teaching, universal Learning Project   2013
  Project sponsored by National Foundation for Resource Development (NFRD)

RESEARCH/SEMESTER PROJECTS

- Optimizing Search Ranking for Educational Goals   2015-Present
- Real-time Intrinsically Diverse Search engine   2014-2015
- Autonomous Landmine Detection and Mapping System   2014
- Accelerometer-based Virtual Archery   2013
- Android Home Automation System   2012
- Online Crime Reporting System   2012
- Fast Food Order and Delivery System   2007

RESEARCH PAPERS

- Syed, R. and Collins-Thompson, K. Optimizing Search Results for Educational Goals: 2016
  Incorporating Keyword Density as a Retrieval Objective.
- Collins-Thompson, K., Rieh, S. Y., Haynes, C. C., and Syed, R. Assessing learning   2016
  outcomes in web search: A comparison of tasks and query strategies. In *Proceedings of the 2016 ACM on Conference on Human Information Interaction and Retrieval* (2016), ACM, pp. 163-172.

COMPUTER SKILLS

- **General Purpose Programming**
  C, C++, Java, Python, Visual Basic 6.0
- **Data Processing Programming**
  R, Matlab, Octave

- **Web Development (Client-side)**
  HTML5, CSS3, Javascript, JQuery, Flash
- **Web Development (Server-side)**
  PHP, MySQL, SQLite
- **Mobile Development**
  Android
- **Hardware Development**
  Assembly Code, Embedded C, Raspberry Pi

ACHIEVEMENTS
- President's Gold Medal for Academics at NUST — 2014
- Won 3rd place award for best Final Year Project — 2014
- Academic Merit Scholarship — 2010-2014
- Stanford Extended Education Program Advanced 2011 Track Courses — 2011
- IEEE-SEECS Chapter Webmaster at NUST — 2011
- IEEE-SEECS Chapter Member Executive Committee at NUST — 2012
- Certified IBM DB2 Academic Associate — 2012
- Chief Minister Academic Achievement Award — 2013

PROFESSIONAL INTERESTS
- Information Retrieval
- Human-Computer Interaction
- Artificial Intelligence, Data Mining & Pattern Recognition