Rohail M. Syed

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I am currently a PhD candidate studying Information science at the University of Michigan - Ann Arbor. My area of interest is in Information Retrieval (IR), with a particular focus on education systems.

EDUCATION

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

WORKSHOPS & ONLINE COURSES

Presented Poster "Toward Search Engines Optimized for Human Learning" at MIDAS Symposium	2017
Attended 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	2011
Introduction to Databases Online Course - Stanford University	2011

WORK EXPERIENCE & ASSISTANTSHIP

Teaching Assistant at University of Michigan SI 301 (F16) - Models of Social Information Processing	Sept 2016 - Dec 2016
Research Assistant at University of Michigan	2014 - Present
Teaching Assistant for course on Engineering Economics at NUST	2012
Summer Internship at NUST - Android Development	2012
Paid Research Internship - Android-Based Home Automation Project sponsored by National Radio and Telecom Corporation (NRTC)	2012
Research Internship - iTeach, uLearn Project sponsored by National Foundation for Resource Development (NFRD)	2013

RESEARCH PAPERS

Syed, R. & Collins-Thompson, K. (2017). Optimizing Search Results for Human Learning Goals. *Information Retrieval Journal*, 1-18.	2017
Syed, R. & Collins-Thompson, K. (2017). Retrieval models optimized for human learning. In *Proceedings of the 40th International ACM SIGIR Conference on Research and Development in Information Retrieval* (pp. 555-564). ACM.	2017
Syed, R. & Collins-Thompson, K. (2016). Optimizing search results for educational goals: Incorporating keyword density as a retrieval objective. In *Second International Workshop on Search as Learning (SaL 2016)*. ACM. (paper) (slides)	2016
Collins-Thompson, K., Rieh, S. Y., Haynes, C. C., & Syed, R. (2016, March). Assessing Learning Outcomes in Web Search: A Comparison of Tasks and Query Strategies. In	2016

Proceedings of the 2016 ACM on Conference on Human Information Interaction and Retrieval (pp. 163-172). ACM. (paper)

RESEARCH/SEMESTER PROJECTS

● Optimizing Search Ranking for Educational Goals *(In Progress)*	2015 - Present
● Real-time Intrinsically Diverse Search engine	2014 - 2015
● Autonomous Landmine Detection & 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

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