Naama Kraus

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Education

2013 – current
PhD. Student in Viterbi Electrical Engineering Faculty
Technion, Israel Institute of Technology
Advisors: Prof. Idit Keidar and Dr. David Carmel
Research Areas: Information Retrieval and Distributed Computing

2009 – 2012
M.Sc. in Computer Science
Technion, Israel Institute of Technology
Advisors: Dr. Ziv Bar-Yossef and Assoc. Prof. Shaul Markovitch
Thesis Title: Context-Aware Query Suggestion
Research Areas: Information Retrieval, Web Search
Final thesis grade: 92/100
GPA: 91.1/100

1993 – 1996
B.Sc. in Computer Science and Mathematics (Cum Laude)
Bar-Ilan University
GPA: 90.9/100

Scientific Publications

- NearBucket-LSH: Efficient Similarity Search in P2P Networks, Naama Kraus, David Carmel, Idit Keidar, and Meni Orenbach, In the Proceedings of the 9th International Conference on Similarity Search and Applications 2016 (SISAP'16)

- Context-sensitive query auto-completion, Ziv Bar-Yossef and Naama Kraus, In proceedings of the 20th International World Wide Web Conference 2011 (WWW'11)

- A Service Delivery Platform for Server Management Services, K. Christiance, et al., IBM Systems Journal on technology for global delivery of services 2009

- Integrating search and browse capabilities into file systems, B. Mandler, N. Kraus, A. Azagury, and M. Factor, Extended abstract for a technology demonstration, IEEE International Symposium on Mass Storage Systems 2005

Awards

- Freud Prize for Women Doctoral Candidates in the Faculty of Electrical Engineering, Technion-Israel Institute of Technology, 2014
- Hasso Plattner Institute (HPI) scholarship for doctoral studies, 2013-2015
- IBM Research Division Award, Service Delivery Portal, 2008

- IBM Research Division Award, Parallel Checkpoint Restart, 2006
- Lady Edith Wolfson award for excellent students, 1993

US Patents

- Exploration of item consumption by customers, Doron Cohen, Iris Eiron, David Konopnicki, Naama Kraus, June, 2 2011: US 20110131202

- Using Web Feed Information in Information Retrieval, Nadav Golbandi, Naama Kraus, December, 24 2009: US 20090319484

- Search Performance and User Interaction Monitoring of Search Engines, Einat Amitay, Naama Kraus, Ronny Lempel, Yael Petruschka, Aya Soffer, November, 15 2007: US 20070265999

- Content-based file system security, Michael Factor, Benjamin Mandler, Naama Kraus, February, 1 2007: US 20070027873

- Indexing and querying semi-structured documents, David Carmel, Naama Kraus, Benjamin Mandler, July, 1 2004: US 20040128615

Employment

2013 - current	Project Supervisor, NSSL lab EE Technion
2009 - 2012	Teaching Assistant, Computer Science, Technion IIT

- Introduction to Search Engine Technology
- Introduction to Computer Science, C Programming

1997 - 2009	Research Staff Member at IBM Haifa Research Lab
1996 - 1997	Student position at Telrad, Israel

Professional Experience

Programming languages

Java (primary), Matlab, C, C++, Perl, Python

Projects at IBM (1997 – 2009)

Knowledge Management in a Problem Determination Platform

- Search over technical problem-solution data
- Server-side syndication

Role: Project Leader

Skills and Expertise: Information Retrieval, Web Syndication, Relational Databases, SQL

Semantic Content-Based File System

- A research project on the border of file systems and search.
- A novel approach to semantic and secure file systems.

Role: Researcher / Developer

Skills and Expertise: Information Retrieval, Semi-Structured data, File Systems, Security, Web Application Development

Fault Tolerance of Parallel Applications

A parallel fault tolerance functionality of MPI programs, for the IBM SP supercomputer platform.

Role: Researcher / Developer

Skills and Expertise: Parallel and Distributes Programming, Operating Systems

General Parallel File System (GPFS)

A parallel Re-Stripe functionality of IBM's GPFS file system.

Role: Researcher / Developer

Skills and Expertise: Parallel and Distributed Programming, File Systems

Customer Profiles and Product Recommendation

Content-Based Recommendation and User Profiles

Role: Researcher / Developer

Skills and Expertise: Information Retrieval, Recommendation Systems, Web Application Development, REST API

Languages

Hebrew: Mother tongue
English: High skills in reading, writing, hearing, and speaking