

## Abolfazl Asudeh

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### RESEARCH INTERESTS

Includes: *(Big) Data Exploration, Hidden Databases (Deep Web), Query Reformulation and Top-k Queries/Indices, Graph Databases, and Crowdsourcing.*

### EDUCATION

**Ph.D. Student**, Computer Science  
**University of Texas at Arlington**, 01/2012 - present  
**Advisor**: Dr. Gautam Das  
**GPA**: 4.0/4.0

**Master of Science**, Computer Engineering-Software  
**Sharif University of Technology**, Tehran, Iran, 09/2006 - 10/2008  
**Advisor**: Dr. Ali Movaghar  
**Thesis Title**: *Analysis and Improvement of Hierarchical Routing Protocols in WSNs*

**Bachelor of Science**, Computer Engineering-Software  
**Sattari University**, Tehran, Iran, 09/2002 - 08/2006  
**Thesis Title**: *Analysis, Design and Implementation of a Communication Website: integrated Mail, News, File-sharing, and Chat*

### PUBLICATIONS

- Abolfazl Asudeh, Nan Zhang, and Gautam Das. **Query Reranking As A Service**, in PVLDB 2016, Vol. 9.
- Abolfazl Asudeh, Saravanan Thirumuruganathan, Nan Zhang, and Gautam Das. **Discovering the Skyline of Web Databases**, in PVLDB 2016, Vol. 9.
- Ning Yan, Sona Hasani, Abolfazl Asudeh, Chengkai Li, **Generating Preview Tables for Entity Graphs**, in SIGMOD 2016.
- Abolfazl Asudeh, Gensheng Zhang, Naeemul Hassan, Chengkai Li, and Gergely V. Zrubá, **Crowdsourcing Pareto-Optimal Object Finding by Pairwise Comparisons**, in CIKM 2015.
- Abolfazl Asudeh, Gergely V. Zrubá, and Sajal K. Das, **A general model for MAC protocol selection in wireless sensor networks**, Ad Hoc Networks Journal, volume 36 - part 1, pages 189 - 202, issn 1570-8705, Elsevier, 2016, doi:10.1016/j.adhoc.2015.07.005.
- Abolfazl Asudeh and Ali Movaghar, **MEHR: Multi-hop Energy-aware Hierarchical Routing for wireless sensor networks**, New Technologies Mobility and Security (NTMS'08), IEEE, 2008.
- Abolfazl Asudeh, Ali Shiralinia, and Mohammad Ghodsi, **Maximizing the Network Flow in Wireless Sensor Networks with Directed Antenna**, (in Persian) 13th CSI Computer Conference (CSICC'2008), Sharif University of Technology, March 9-11, 2008, Iran.

<b>EXPERIENCE</b>	<b>Microsoft Research</b> – DMX group, Research Internship, <i>Summer 2016</i> <ul style="list-style-type: none"> <li>Project: <i>Web Service Discovery from Trillions of URLs</i>.</li> </ul>
	<b>Microsoft</b> , Internship, <i>Summer 2014</i> <ul style="list-style-type: none"> <li>Project: <i>Microsoft Pinpoint Telemetry</i>; Position: Developer Company Branch: Commerce Platform - Seller Services.</li> </ul>
	<b>University of Texas at Arlington</b> , Teaching Assistant, <i>Spring 2012 - Present</i> <ul style="list-style-type: none"> <li>CSE5301, Data Analysis and Modelling Techniques, Fall 2012, Fall 2013, Fall 2014, Fall 2015.</li> <li>CSE1310, Introduction to Computers and Programming, Spring 2012, Summer 2013.</li> <li>CSE2320, Algorithms &amp; Data Structures, Summer 2015.</li> <li>CSE5331/4331, Database 1, Summer 2012, Summer 2013.</li> <li>CSE1301, Computer Literacy, Fall 2012, Spring 2013, Fall 2013.</li> </ul>
	<b>Several Universities of Iran</b> ( <i>Azad University, Payame Noor University, and University of Applied Science and Technology</i> ), Instructor, <i>2009-2011</i> <ul style="list-style-type: none"> <li>I have taught the following list of courses for at least one semester: Database 1, Principles of Algorithms, Computer Networks, OO Programming(C++), System Analysis and Design, Assembly Language, Principles of Network Security, Principles of Programming, Advanced Programming 1, Internet Engineering, Basics of C# Language, and Web Programming.</li> </ul>
<b>AWARDS AND HONORS</b>	<ul style="list-style-type: none"> <li>Lockheed Martin Graduate Engineering Fellowship, University of Texas at Arlington, <i>Aug. 2016</i>.</li> <li>Enhanced Graduate Teaching Assistant fellowship (EGTA), University of Texas at Arlington, <i>Jan. 2012 - Present</i>.</li> <li>STEM tuition fellowship, University of Texas at Arlington, <i>Jan. 2012 - Present</i>.</li> <li>Kelcy Warren Graduate Fellowship Award, University of Texas at Arlington, <i>Nov. 2015</i>.</li> <li>CSE Department Scholarship, University of Texas at Arlington, <i>Jan. 2015</i>.</li> <li>Best (CS Department) Student Award, Sattari University, Iran, <i>2006</i>.</li> <li>Governmental Scholarships, <i>2002-2008</i> (B.Sc.: 4 years, M.Sc.: 2 years).</li> </ul>
<b>RELATED COURSES</b>	<b>University of Texas at Arlington (Ph.D.):</b> Advanced Algorithms (CSE 6311), Data Modeling (CSE5301), Data Mining (CSE5334), Graph Data Mining (CSE 6339), Crowdsourcing (CSE 6339), Multi-agent Systems (Game Theory) (CSE6369), Advanced Sensor Networks (CSE 6348), Information Security2 (CSE 5381).  <b>Sharif University of Technology (M.Sc.):</b> Advanced Algorithms, Data Mining, Database 2, Network Modeling and Analysis, Operating System 2, Software Engineering, Decision Support Systems, Object-Oriented Software Development Methodologies.
<b>TECHNICAL SKILLS</b>	<i>Programming Languages:</i> C, C++, C#, Python; familiar with Java, Matlab. <i>Web Programming:</i> JavaScript, ASP.NET; familiar with PHP.
<b>REFERENCES</b>	Dr. Gautam Das, <a href="http://ranger.uta.edu/~gdas/">http://ranger.uta.edu/~gdas/</a> Dr. Gergely Zruba, <a href="http://crystal.uta.edu/~zaruba/">http://crystal.uta.edu/~zaruba/</a>