

Bedoor AlShebli



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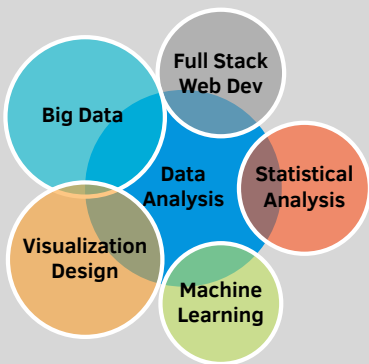
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Interests

- Data science
- Computational Social Science
- Big Data
- Machine learning
- Social networks
- Database and Information Systems
- Data Mining
- Human-computer interaction

Skills

Overview



Programming

0 LOC → 10000 LOC

Python • JS • HTML • D3.js • Dask

LaTeX • Java • SQL • CSS • PHP

C • C++ • R

Education

2013 - 2017 **PhD. in Interdisciplinary Engineering** (GPA: 3.86/4.0)

Masdar Institute, part of Khalifa University of Science and Technology

Thesis Title: *Diversity: Trendy Buzzword or Scientific Imperative?*

Committee: Wei Lee Woon (Chair), Talal Rahwan, Iyad Rahwan (MIT)

Spring 2016 **Visiting Scholar**

Media Lab, MIT

2003 - 2005 **MSc. in Computer Science** (GPA: 3.85/4.0)

University of Illinois Urbana-Champaign

Thesis Title: *Mapping Maintenance for Data Management*

1999 - 2002 **BSc. in Computer Science** (GPA: 3.94/4.0, MPA: 3.97/4.0)

Kuwait University

Publications

PEER-REVIEWED JOURNALS

1. **B. AlShebli**, K. Makovi, and T. Rahwan. "The Impact of Informal Mentorship in Academic Collaborations." *Nature Communications*, (accepted to appear).
2. M. J. Salganik et al. "Measuring the predictability of life outcomes with a scientific mass collaboration." *Proceedings of the National Academy of Sciences*, 2020.
3. G. Raman, **B. AlShebli**, M. Waniek, T. Rahwan, J. C. H. Peng. "How weaponizing disinformation can bring down a city's power grid", *PLOS One*, 2020.
4. **B. AlShebli**, T. Michalak, O. Skibski, M. Wooldridge, T. Rahwan. "A Measure of Added Value in Coalitions". *ACM Transactions on Autonomous and Adaptive Systems*. 2019.
5. **B.K. AlShebli**, T. Rahwan, W.L. Woon, "The Preeminence of Ethnic Diversity in Scientific Collaboration", *Nature Communications*, 2018.
6. A. Alabdulkareem, M.R. Frank, L. Sun, **B. AlShebli**, C. Hidalgo, and I. Rahwan, "Unpacking the polarization of workplace skills", *Science Advances*, 2018.

CONFERENCES

1. **B.K. AlShebli**, and K. Karahalios. "The impact of culture on collaborative technologies." *Proceedings of CHI*. 2007.
2. **B.K. AlShebli**, E. Gilbert and K. Karahalios. "The social implications of an assisted living reminder system". *In International Conference on Online Communities and Social Computing*. 2007.
3. Hou, J.C., Wang, Q., **AlShebli, B.K.**, Ball, L., Birge, S., Caccamo, M., Cheah, C.F., Gilbert, E., Gunter, C.A., Gunter, E. and Lee, C.G., 2007, June. "Pas: A wireless-enabled, sensor-integrated personal assistance system for independent and assisted living." *In High Confidence Medical Devices, Software, and Systems and Medical Device Plug-and-Play Interoperability*, 2007. IEEE.
4. Wang, Q., Shin, W., Liu, X., Zeng, Z., Oh, C., **AlShebli, B.K.**, Caccamo, M., Gunter, C.A., Gunter, E., Hou, J. and Karahalios, K., 2006, October. "I-Living: An open system architecture for assisted living." *In Systems, Man and Cybernetics*, 2006. IEEE.
5. McCann, R., **AlShebli, B.**, Le, Q., Nguyen, H., Vu, L. and Doan, A. "Mapping maintenance for data integration systems." *In Proceedings of the 31st international conference on Very large data bases. VLDB Endowment*. 2005.

Demographics —

- **DOB:** 05/05/82
- **Gender:** Female
- **Nationality:** Saudi Arabian
- **Marital Status:** Married (1 dependent)

Languages —

- Arabic (Native)
- English (Fluent)

References —

• Academia:

1. **Dr. Wei Lee Woon**
(PhD Advisor):
wei.woon@ku.ac.ae
2. **Dr. Talal Rahwan**
(PhD Co-Advisor):
talal.rahwan@ku.ac.ae
3. **Dr. Iyad Rahwan**
(RSC Member):
irahwan@mit.edu
4. **Dr. Karrie Karahalios**
(MSc Advisor):
kkarahal@cs.uiuc.edu
5. **Dr. Marsha Woodbury:**
marsha@illinois.edu
6. **Dr. Ziad Najem**
(BSc Advisor):
najem@mcs.sci.kuniv.edu.kw

• Industry:

1. **Mr Mohammed AlModhayan**
(Previous Co-Founder & Head of
Dept at TMD):
modhayan@maestropizza.com
2. **Ms Reem AlHunaidi**
(General Manager - Ibtikar, Brik-
wood Grp):
ralhunaidi@alghanim.com
3. **Mr Shaker AlEssa**
(Previous Waste Management Di-
rector at MRC):
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Research Experience

Sept 2020	Assistant Professor of Computational Social Science <i>Social Science Division</i>	NYU, Abu Dhabi
Jan 2019 - Aug 2020	Post-Doctoral Associate <i>Data Science and AI Lab, Computer Science Department</i>	NYU, Abu Dhabi
Jan 2018 - Dec 2018	Post-Doctoral Fellow <i>Computer Science Department</i>	Khalifa University
Jan 2016 - May 2016	Visiting Scholar <i>Scalable Cooperation Lab</i>	Media Lab, MIT
Aug 2013 - Dec 2017	Research Assistant <i>Computer Science Department</i>	Masdar Institute
Aug 2003 - Dec 2008	Research Assistant <i>Computer Science Department</i>	University of Illinois, Urbana-Champaign

Honors and Awards

2013-2017	Full scholarship towards my PhD degree from Masdar Institute
Fall 2007	UIUC Campus List of Outstanding Teachers
Spring 2007	UIUC Campus List of Excellent Teachers
2003-2005	Full scholarship towards my MSc degree from Saudi Arabian Cultural Mission
May 2005	Prince Bandar Bin Sultan Award for best MSc Thesis in Computer Science (\$5,000)
Nov 2001	2rd place in ACM International Collegiate Programming Competition (ANARC)
Nov 2000	3rd place in ACM International Collegiate Programming Competition (ANARC)
1999-2002	Kuwait University's Dean's Honors List 7 consecutive semesters

Teaching Experience

- Fall 2017 **Teaching Assistant**
CIS614: Computational Social Science (PhD Level) Masdar Institute
- Helped run the course with the instructor. The students present work relevant to the topic discussed, while the instructor and TA run the session.
 - Assisted in grading / writing assignments and exams.
- Spring 2017
Fall 2014 **Teaching Assistant**
CIS611: Multimodal Data Mining (PhD Level) Masdar Institute
- Helped run the paper reading sessions twice a week.
 - Graded assignments and course projects.
- Fall 2016
Spring 2015 **Teaching Assistant**
UCC601: Teaching at a University Level (PhD Level) Masdar Institute
- This is a mandatory PhD level course.
 - It is a flip class, where the students give the lectures, while the TA and instructor observe and help when needed.
 - Assisted in grading the teaching portfolios and exams, as well as help run the class when needed.
 - Ran separate TA sessions for students that needed help understanding the material.
- Fall 2007 **Head Teaching Assistant**
CS105: Computer Science for Non-Engineers (UG Level) UIUC
- Taught CS105 twice a week.
 - Responsible for preparation of all materials, assignments, quizzes, exams and grading.
 - Received student evaluation scores awarding best TA award (4.7/5.0).
 - Managed 13 TAs for the department's largest course of over 850 students
 - I also was a TA for this course in Spring 2007 before I was promoted to head TA following semester.
- Spring 2003 **Lecturer**
Introduction to Microsoft Office Navigation & Telecom. Inst., KWT
- Responsible proposing the course syllabus, and creating all materials, assignments, quizzes, midterms, final, and placing the grades of 24 students throughout the course.
- Fall 2002 **Programming Coach**
ACM International Collegiate Programming Contest - Arab and North African Regional Contest (ANARC) Kuwait University
- Coached 3 teams representing KU at the ACM Programming Contest (ANARC) at Cairo, Egypt.
 - Assisted in training 3 programming teams, of the top undergraduate students, representing Kuwait University.
 - Training involved an intensive two-month course in advanced data structures & algorithms in C++ and Java.

Other Work Experience

- Sept 2012 - **Application Projects Manager** The Marketing Dept (TMD)
Feb 2015 **Shareholder / Boardmember**
- Managed some of the region's largest companies online services. Such as, Nada Dairy's website and online FB application contest "Blend Us a Mix" & "Blend Us a Shake".
 - I was also a shareholder and an active board member in this company from May 2015 until March 2018.
- Aug 2010 - **Project & Scientific Research Manager**
May 2014 **Scientific Committee Member / Judge** Ibtikar Research Competition, KWT
- Ibtikar Kuwait is a science research competition and a non-profit corporation dedicated to aiding and increasing access to higher education for talented research-oriented female students in Kuwait.
 - My responsibilities included setting up the competition, which included writing the rules & regulations and judging criteria, setting up the competition's identity, promoting the competition, going on a road show to talk to students of public schools in all regions. I also managed the development of the competition website: www.ibtikar.com.kw, and much more.
- Aug 2011 - **Project Manager of the NewAir Project** Metal Recycling Co (MRC)
May 2012
- NewAir is a recycling program that collects recyclables from companies, hotels, schools, gov sectors and households.
 - During my time at NewAir, I was responsible for recruiting and training the employees in my department, communicating job expectations, contributing information and recommendations to strategic plans, meeting financial objectives by forecasting requirements.
 - The highlights of my contributions whilst running NewAir were: creating their customer call center, initiating a national awareness campaign, more than tripled the number of trucks collecting recyclables, and set up online marketing tools to spread awareness.
- Mar 2009 - **Research and Information Department Associate Manager** CSR
Jun 2009
- Established the Research and Information Department
 - Created the company's website, which includes a dynamic web system for member logins, offering certain services to its clients
 - Set up the company's intranet and email server system
 - Was responsible for designing, developing and implementing a web-based database system where everyday qualitative and quantitative data created/retrieved by their analysts is stored.
- Apr 2008 - **Training Development Manager** UASC, UAE
Feb 2009
- Responsible for rolling in and training all agencies / branches in all regions on using the new system, TRUST
 - Developed and taught a "Train The Trainer Course".
 - Assisted in the development of the company's TRUST Help Desk.
 - Responsible for testing, debugging, and enhancement of TRUST.
 - Provided consultation during the implementation phase.
- Jun 2002 - **Quality Assurance Officer / Former ICDL Exam Tester** RedSoft
Jun 2003
- Participant in establishment & coordination of the ICDL (International Computer Driving License) in Kuwait.
 - Monitor ICDL testing & training centers in Kuwait, to ensure the application of international quality standard.