Samer Al-khateeb

Education

Ph.D. in Computer and Information Sciences   Fall 2017
University of Arkansas at Little Rock   Little Rock, Arkansas
Concentration: Information Science
GPA: 4.0/4.0

Master of Science in Applied Science   Summer 2015
University of Arkansas at Little Rock   Little Rock, Arkansas
Concentration: Information Science
GPA: 4.0/4.0

Bachelor of Science in Computer Science   Spring 2013
University of Arkansas at Little Rock   Little Rock, Arkansas
Major: Computer Science
Minor: Electronics & Computer Engineering Technology
GPA: 3.78/4.0

Research Interest

Social Network Analysis (SNA)
Deviant Behavioral Modeling
Deviant Cyber Flash Mobs (DCFMs)
Cyber Propaganda Campaigns
Social Cyber Forensics (SCF)
Social Computing
Data Mining in Social Media
Cyber Collective Actions
Bots Behaviors, Evolution, and Detection

Academic Experience

Assistant Professor of Computer Science   Fall 2018 - Current
Department of Journalism, Media and Computing, Creighton University

Postdoctoral Research Fellow   Spring 2018 - Fall 2018
Department of Information Science, University of Arkansas at Little Rock

Teaching Assistant of System Analysis and Design (IFSC 3360)   Fall 2017
Department of Information Science, University of Arkansas at Little Rock

Teaching Assistant of Information System Analysis (IFSC 7310)   Spring 2016, 2017, 2018
Department of Information Science, University of Arkansas at Little Rock

Teaching Assistant of Social Computing (IFSC 4360/5360)   Fall 2016, Spring 2018
Department of Information Science, University of Arkansas at Little Rock

Teaching Assistant of Social Media Mining and Analytics (IFSC 4399/5399)   Fall 2015
Department of Information Science, University of Arkansas at Little Rock

Lab Instructor of Physics for Scientists and Engineers II   Summer 2014, Fall 2014, Spring 2015
Department of Physics and Astronomy, University of Arkansas at Little Rock

Tutor of Physics for Scientists and Engineers I & II   Fall 2012, Spring 2013
Department of Physics and Astronomy, University of Arkansas at Little Rock

Industrial Experience

Computer Technician   08/2011-05/2014
Department of Applied Science, University of Arkansas at Little Rock

Executive Resident   06/2013-08/2013
DSG Consulting Inc.

Student Intern   08/2012-12/2012
University of Arkansas for Medical Science

Research Manager   05/2012-08/2012
DSG Consulting Inc.

Publications

Books:
1. **Samer Al-khateeb** and Nitin Agarwal. Deviance in Social Media and Social Cyber Forensics*: Uncovering Hidden Relations Using OSINF*. Springer, forthcoming Spring 2019.

Book Chapters:
1. Katrin Galeano, Rick Galeano, **Samer Al-khateeb**, and Nitin Agarwal. *Studying the Weaponization of Social Media: A Social Network Analysis and Cyber Forensics Informed Exploration of Disinformation Campaigns*. In "Open Source Intelligence and Security Informatics". Springer. forthcoming Spring 2019.
2. Rick Galeano, Katrin Galeano, **Samer Al-khateeb**, Nitin Agarwal, James Turner. *Botnet Evolution During Modern Day Large-Scale Combat Operations*. In a seven-book set titled "Large Scale Combat Operations", book titled "Information Operations: Perceptions are Reality", Chapter 10. Col. Mark Vertuli (Ed.). Army University Press. October 2018.
3. **Samer Al-khateeb**, Muhammad Hussain, and Nitin Agarwal. *Leveraging Social Network Analysis & Cyber Forensics Approaches to Study Cyber Propaganda Campaigns*. In "Social Network and Surveillance for Society", Chapter 2, pp. 19-42. T. Ozyer, S. Bakshi, and R. Alhajj (Eds.). Lecture Notes in Social Networks, Springer, 2018. DOI: 10.1007/978-3-319-78256-0, ISBN (Print): 978-3-319-78255-3, ISBN (Online): 978-3-319-78256-0.
4. **Samer Al-khateeb**, Muhammad Nihal Hussain, and Nitin Agarwal. *Analyzing Deviant Socio-technical Behaviors using Social Network Analysis and Cyber Forensics-based Methodologies*. In "Big Data Analytics in Cybersecurity and IT Management", Chapter 12. O. Savas & J. Deng (Eds.), September 2017. ISBN: 978-1-4987-72129. New York, NY: CRC Press, Taylor & Francis.

Journal Articles:
1. **Samer Al-khateeb** and Nitin Agarwal. *Social Cyber Forensics: Leveraging Open Source Information and Social Network Analysis to Advance Cyber Security Informatics*. Journal of Computational and

Mathematical Organization Theory, forthcoming Spring 2019.

2. Esther Ledelle Mead, Muhammad Nihal Hussain, Mohammad Nooman, **Samer Al-khateeb**, and Nitin Agarwal. *Voices from Venezuela: Examining blogs to study the socio-politico-economic crisis and consequent emigration*. IARIA International Journal on Advances in Internet Technology, Vol. 11, No. 1-2, 2018.

3. Nitin Agarwal, **Samer Al-khateeb**, Rick Galeano, and Rebecca Goolsby. *Examining The Use Of Botnets And Their Evolution In Propaganda Dissemination*. Journal of Defence Strategic Communications, Vol. 2. No. 2, pp. 87-112. 2017.

4. **Samer Al-khateeb**, Kevin J Conlan, Nitin Agarwal, Ibrahim Baggili, and Frank Breitinger. *Exploring Deviant Hacker Networks (DHN) On Social Media Platforms*. Journal of Digital Forensics, Security and Law, Vol. 11. No. 2, pp. 7-20. 2016. *Also included in the proceedings of the 8th EAI International Conference on Digital Forensics & Cyber Crime (ICDF2C 2016), September 28-30, 2016, New York City, USA.*

5. **Samer Al-khateeb** and Nitin Agarwal. *Understanding Strategic Information Maneuvers in Network Media to Advance Cyber Operations: A Case Study Analyzing pro-Russian Separatists' Cyber Information Operations in Crimean Water Crisis*. Journal on Baltic Security, Vol. 2, Issue 1, pp. 6-27, 2016. *Also included in the proceedings of the 9th International Lesson Learned Conference (ILLC2015), June 1-4, 2015, Tartu, Estonia.*

6. **Samer Al-khateeb** and Nitin Agarwal. *Developing a Conceptual Framework For Modeling Deviant Cyber Flash Mob: A Socio-Computational Approach Leveraging Hypergraph Constructs*. Journal of Digital Forensics, Security and Law, Vol. 9. No. 2, pp. 113-127. 2014. *Also included in the proceedings of the 6th International Conference on Digital Forensics & Cyber Crime, September 18-19 New Haven, United States.*

Conferences Proceedings:

1. Muhammad Nihal Hussain, Kiran Kumar Bandeli, Serpil Tokdemir, **Samer Al-khateeb**, and Nitin Agarwal. *Understanding Digital Ethnography: Socio-computational Analysis of Trending YouTube Videos*. The Eighth International Conference on Social Media Technologies, Communication, and Informatics (SOTICS 2018), October 14-18, 2018, Nice, France. **(Won Best Paper Award)**.

2. Muhammad Nihal Hussain, **Samer Al-Khateeb**, Serpil Tokdemir, and Nitin Agarwal. *Analyzing Disinformation and Crowd Manipulation Tactics on YouTube*. The 2018 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), August 28-31, 2018, Barcelona, Spain.

3. Tuja Khaund, Kiran Kumar Bandeli, Muhammad Nihal Hussain, Adewale Obadimu, **Samer Al-khateeb**, and Nitin Agarwal. *Analyzing Social and Communication Network Structures of Social Bots and Humans*. The 2018 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), August 28-31, 2018, Barcelona, Spain.

4. Tuja Khaund, **Samer Al-Khateeb**, Serpil Tokdemir, and Nitin Agarwal. *Analyzing Social Bots and their Coordination during Natural Disasters*. International Conference on Social Computing, Behavioral-Cultural Modeling and Prediction and Behavior Representation in Modeling and Simulation (SBP-BRiMS 2018), July 10-13, 2018, Washington D.C., USA.

5. Muhammad Nihal Hussain, Kiran Kumar Bandeli, **Samer Al-Khateeb**, and Nitin Agarwal. *Analyzing Shift in Narratives Regarding Migrants in Europe via Blogosphere*. Proceedings of the International Workshop on Narrative Extraction from Texts (Text2Story 2018) co-located with the 40th European Conference on Information Retrieval (ECIR). Volume 2077, pp 33-40. Grenoble, France. March 26-29, 2018.

6. Esther Ledelle Mead, Muhammad Nihal Hussain, Mohammad Nooman, **Samer Al-khateeb**, and Nitin Agarwal. *Assessing Situation Awareness through Blogosphere: A Case Study on Venezuelan Socio-Political Crisis and the Migrant Influx*. The Seventh International Conference on Social Media Technologies, Communication, and Informatics (SOTICS 2017), October 8 - 12, 2017, Athens, Greece. **(Won Best Paper Award).**

7. **Samer Al-khateeb**, Muhammad Nihal Hussain, and Nitin Agarwal. *Social Cyber Forensics Approach*

to Study Twitter's and Blogs' Influence on Propaganda Campaigns. International Conference on Social Computing, Behavioral-Cultural Modeling and Prediction and Behavior Representation in Modeling and Simulation (SBP-BRiMS 2017), July 5 - 8, 2017, Washington D.C., USA.

8. Muhammad Nihal Hussain, Adewale Obadimu, Kiran Kumar Bandeli, Mohammad Nooman, **Samer Al-khateeb**, and Nitin Agarwal. *A Framework for Blog Data Collection: Challenges and Opportunities*. The IARIA International Symposium on Designing, Validating, and Using Datasets (DATASETS 2017), June 25 - 29, 2017, Venice, Italy.

9. **Samer Al-khateeb** and Nitin Agarwal. *The Rise & Fall of #NoBackDoor on Twitter: the Apple vs. FBI Case*. In Proceedings of the International Symposium on Foundations of Open Source Intelligence and Security Informatics (FOSINT-SI 2016) co-located with the 2016 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2016), August 19-20, 2016, San Francisco, California, USA.

10. **Samer Al-khateeb** and Nitin Agarwal. *Examining Botnet Behaviors for Propaganda Dissemination: A Case Study of ISIL's Beheading Videos-based Propaganda*. In Proceedings of the Behavior Analysis, Modeling, and Steering (BEAMS 2015) co-located with the IEEE International Conference on Data Mining (ICDM 2015), November 14-17, 2015, Atlantic City, New Jersey, USA.

11. **Samer Al-khateeb**, Engin Mendi, and Coskun Bayrak. *A Comparative Analysis of Digital Filtering for Seismic Signals from Adana, Van, and Bingol Earthquakes in Turkey*. In Proceedings of the International Conference on Information Processing and Control Engineering (ICIPCE-2015), April 15-17, 2015, Bauman Moscow State Technical University, Russia.

12. **Samer Al-khateeb** and Nitin Agarwal. *Analyzing Deviant Cyber Flash Mobs of ISIL on Twitter*. In Proceedings of the International Conference on Social Computing, Behavioral-Cultural Modeling, and Prediction (SBP15), March 31 April 3, 2015, UCDC Center, Washington DC, USA.

13. **Samer Al-khateeb** and Nitin Agarwal. *Analyzing Flash Mobs in Cybernetic Space and the Imminent Security Threats: A Collective Action based Theoretical Perspective on Emerging Sociotechnical Behaviors*. In Proceedings of the AAAI Spring Symposium 2015 on Socio-technical Behavior Mining: From Data to Decisions, AAAI Spring 2015 Symposium on Socio-Technical Behavior Mining, March 23-25, 2015, Palo Alto, California, USA.

14. **Samer Al-khateeb** and Nitin Agarwal. *Modeling Flash Mobs in Cybernetic Space: Evaluating Threats from Emerging Socio-Technical Behaviors to Human Security*. In Proceedings of the IEEE Joint Intelligence and Security Informatics Conference (JISIC 2014), September 24-26, 2014, Hague, Netherlands.

Conferences:

1. **Samer Al-khateeb**, Muhammad Nihal Hussain, and Nitin Agarwal. *When Citizen Journalism Goes Rogue: A Case Study of Anti-West Misinformation Campaigns During the 2014 Russian-Ukraine Conflict*. The 5th International Conference on Bridging Gaps: Where is the Critic in Television Journalism?, Centre for Media and Celebrity Studies (CMCS), CUNY School of Journalism, August 31 – September 1, 2017, New York City, USA.

2. **Samer Al-khateeb**, Muhammad Nihal Hussain, and Nitin Agarwal. *Leveraging Social Network Analysis & Cyber Forensics Approaches to Study Cyber Propaganda Campaigns*. The 1st North American Social Networks Conference of the International Network for Social Network Analysis (NASN 2017), July 26 - 30, Washington DC, USA.

3. Kiran Kumar Bandeli, Muhammad Nihal Hussain, **Samer Al-khateeb**, and Nitin Agarwal. *Towards Developing Methodology to Stem the Tide of Fake News*. International Conference on Social Computing, Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation (SBP-BRiMS 2017) (Challenge Track), July 5 - 8, 2017, Washington D.C., USA.

4. Muhammad Nihal Hussain, Kiran Bandeli, Mohammad Nooman, **Samer Al-khateeb**, and Nitin Agarwal. *Analyzing the Voices during European Migrant Crisis in Blogosphere*. The 2nd International Workshop on Event Analytics using Social Media Data associated with the 11th International AAAI Conference on Web and Social Media (ICWSM 2017), May 15-18, 2017, Montreal, Canada.

5. **Samer Al-khateeb**, Muhammad Nihal Hussain, and Nitin Agarwal. *Exploring ISIL Cyber Network Activities: Evolution, Means, and Strategies*. In the 36th International Sunbelt Social Network Conference

(Sunbelt XXXVI) organized by the International Network for Social Network Analysis (INSNA), April 5-10, 2016, Newport Beach, California.

Participation in Federally Funded Projects

1. **Socio-computational Predictive Methods to Detect and Mitigate Bot Activity in Novel Information Environments.**
   The research project is funded by the DARPA Small Business Innovation Research (SBIR)
   Award number (Phase-2 grant): W31P4Q-17-C-0059.
   Total award amount: $1,000,000.
   Project Period: 09/01/2016 - 08/31/2019.
   Collaborators: Intelligent Automation, Inc.
   My role in this project:
   I was hired by this grant to do research on different topics such as the usage of botnets by deviant groups on social media and research on blogosphere data collection and analysis. This grant covered the travel costs of attending conferences to present the results of the research. I also attended all projects meetings and presented the results of the research to program managers.

2. **Towards Predictive Modeling Deviant Cyber Flash Mobs: A Socio-Informatics Driven Hypergraph Framework**.
   The project is funded by the U.S. Army Research Office (ARO) under Social and Cognitive Networks program within the Network Sciences division
   Award number: W911NF-16-1-0189.
   Program Officer: Dr. Edward Palazzolo
   Total award amount: $300,000.
   Project Period: 06/01/2016 - 05/31/2019.
   My role in this project:
   I was hired by this grant to do research on Deviant Cyber Flash Mobs conducted by ISIL/ISIS/Daesh and operationalize a theoretical model on Twitter data. I presented the results of this research in three conferences of which their traveling cost was supported by this grant. I also helped in writing project progress reports, presented the results of the research to program managers, and attended all projects meetings.

3. **Developing Novel Socio-computational Methodologies to Analyze Multimedia-based Cyber Propaganda Campaigns**.
   This project is funded by the U.S. Office of Naval Research (ONR) under Thrust Code 341
   Award number: N00014-17-1-2605.
   Program Officer: Dr. Rebecca Goolsby.
   Total award amount: $1,530,778.
   Project Period: 06/01/2017 - 01/31/2019.
   My role in this project:
   I was hired by this grant with a group of students to study and assess the socio-political crisis and the migrant influx in Venezuela and Europe through the blogosphere. This project resulted in two conference papers of which their traveling cost was supported by this grant. I also attended all projects meetings.

4. **Analyzing Integrated Social Media-Facilitated Propaganda Campaigns using Social Network Analysis and Cyber Forensics.**

This project is funded by the U.S. Office of Naval Research (ONR) under Thrust Code 341

Award number: N00014-16-1-2412.

Program Officer: Dr. Rebecca Goolsby.

Total award amount: $190,000.

Project Period: 05/01/2016 - 09/30/2018.

<u>My role in this project</u>:

I was hired by this grant to do research on the usage of social media by different hacker's groups. Then, I worked with a group of students on a project to assess the socio-political crisis and the migrant influx in Venezuela through the blogosphere. I presented two conference papers of which their traveling cost was supported by this grant. I also attended all projects meetings.

5. **MRI: Acquisition of Peta-Scale Data Storage System for Big Data Exploration in STEM Fields**.

The research project is funded in part by the U.S. National Science Foundation's (NSF) Advanced Cyber infrastructure (ACI) program

Award number: ACI-1429160.

Total award amount: $291,908.

Project period: 09/01/2014 - 08/31/2018

<u>My role in this project</u>:

I was hired by this grant to do research on different topics such as the usage of botnet by deviant groups on social media, the case of Apple vs. FBI discussion on Twitter, and research on blogosphere data collection and analysis. This grant covered the travel costs of seven conferences papers. I also attended all projects meetings and presented the results of the research to program managers.

6. **Data-Intensive High-Density Computational Equipment for Research on Monitoring Cyber Warfare Tactics through Social Media**.

The project is funded by the U.S. Office of Naval Research (ONR) under Defense University Research Instrumentation Program (DURIP)

Award number: N00014-16-1-2016.

Total award amount: $85,964.

Project Period: 11/15/2015 - 12/14/2016.

<u>My role in this project</u>:

I was hired by this grant to do research on the usage of social media by different hacker's groups. Then, I worked with a group of students on a project to assess the socio-political crisis and the migrant influx in Venezuela through the blogosphere. I presented two conference papers of which their traveling cost was supported by this grant. I also attended all projects meetings.

7. **Cyber-collective Movements: Novel Socio-computational Approaches in Studying the Blogosphere**.

The research project is funded in part by the U.S. National Science Foundation's (NSF) Social-Computational Systems (SoCS) Program and Human-Centered Computing (HCC) Program.

Award number: IIS-1110868 and IIS-1110649.

Total award amount: $742,044.

Project Period: 09/01/2011 - 05/31/2016.

Collaborators: Rolf T. Wigand and Merlyna Lim.

<u>My role in this project</u>:

I was hired by this grant to do theoretical survey of different cyber collective actions/phenomenon's and develop theoretical models. I presented two conference papers of which their traveling cost was supported by this grant. I also helped in writing project progress reports, presented the results of the research to program managers, and attended all projects meetings.

8. **Predictive Modeling of Cyber Flash Mobs: Understanding Emerging Socio-Technical Behaviors for Conflict Monitoring**.
   This project is funded by the U.S. Office of Naval Research (ONR) under Thrust Code 341.
   Award number: N00014-14-1-0489.
   Program Officer: Dr. Rebecca Goolsby.
   Total award amount: $160,000.
   Project Period: 05/01/2014 - 09/30/2015.
   My role in this project:
   I was hired by this grant to do research on the usage of social media by different hacker's groups. Then, I worked with a group of students on a project to assess the socio-political crisis and the migrant influx in Venezuela through the blogosphere. I presented two conference papers of which their traveling cost was supported by this grant. I also attended all projects meetings.

9. **BlogTrackers: Analyzing Social Media for Cultural Modeling**.
   The research project is funded by the U.S. Office of Naval Research (ONR)
   Award number: N00014-10-1-0091.
   Total award amount: $334,791.
   Project period: 05/01/2010 - 12/30/2013.
   Collaborators: Huan Liu and Merlyna Lim.
   My role in this project:
   I was hired by this grant to do research on ISIL/ISIS/Daesh online behaviors, then I presented three papers of which their traveling cost was supported by this grant. I also helped in writing project progress reports, presented the results of the research to program managers, and attended all projects meetings.

10. **A Socio-computational Model for 'Social Bot' Detection: Understanding tactical and strategic information maneuvers through social media to advance cyber operations**.
    The research project is funded by the U.S. Department of Navy's (DoN) Small Business Technology Transfer (STTR)
    Award number (Phase-1 grant): N00014-15-P-1187
    Total award amount: $150,000.
    Project Period: 08/01/2015 - 08/31/2016.
    Collaborators: Intelligent Automation, Inc.
    My role in this project:
    I was hired by this grant to do research on the usage of social media by different hacker's groups. Then, I worked with a group of students on a project to assess the socio-political crisis and the migrant influx in Venezuela through the blogosphere. I presented two conference papers of which their traveling cost was supported by this grant. I also attended all projects meetings.

Services

Editorial Board Member
1. International Journal of Computer Science Research.

Journal Reviewer
1. Journal of Computer Science Research
2. Computational and Mathematical Organization Theory (CMOT)
3. IEEE Transactions on Computational Social Systems
4. Springer Journal of Social Network Analysis and Mining (SNAM)
5. ACM Journal of Data and Information Quality (JDIQ)
6. Encyclopedia of Social Network Analysis and Mining (ESNAM)

Conference Program Committee Member
1. HUSO 2019: The International Conference on Human and Social Analytics.
2. WSDM 2018: International Conference on Web Search and Data Mining.
3. SBP-BRiMS 2016: Social Computing, Behavioral Modeling, and Prediction.
4. SBP-BRiMS 2015: Social Computing, Behavioral Modeling, and Prediction.

Tutorials Presenter
1. Nitin Agarwal and **Samer Al-khateeb**. A tutorial on "Social Cyber Forensics" for Center for Computational Analysis of Social and Organizational Systems (CASOS), Carnegie Mellon University, September 11, 2017.
2. Nitin Agarwal, **Samer Al-khateeb**, and Muhammad Nihal Hussain. A tutorial on "Social Cyber Forensics: Discovering Hidden Connections, Information Flows, And Information Actors In The Modern Information Environment" presented at the 2017 International Conference on Social Computing, Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation. July 5-8, 2017, Lehman Auditorium, George Washington University, Washington DC, USA.
3. Nitin Agarwal, **Samer Al-khateeb**, and Muhammad Nihal Hussain. A tutorial on "Propaganda and Group Characterization" presented under RTG HFM-248 Human Networks Analysis at the NATO TIDE Sprint conference - Open Source Information (OSINF) track. October 24-28, 2016, Virginia Beach, USA.
4. Nitin Agarwal and **Samer Al-khateeb**. A tutorial on "Understanding Influence Operations of Daesh and Novorossiya through Blogs and Twitter" presented at the NATO TIDE Sprint 27 conference, April 11-15, 2016, Krakow, Poland.
5. Nitin Agarwal and **Samer Al-khateeb**. A tutorial on "Understanding Influence Operations of Daesh and Novorossiya through Blogs and Twitter" presented at the Dark Web Workshop, March 22-24, 2016, U.S. Naval Postgraduate School, Monterey Bay, California.

Invited Presentations
1. **Samer Al-Khateeb**. An invited talk "The Power of Social Media Analytics" presented at Harding University. March 14, 2018. Searcy, AR, USA.
2. **Samer Al-khateeb**. A tutorial on "Gephi: For Network Data Analysis, Visualization, and Collection" presented for the IFSC 4360/5360 Social Computing at the University of Arkansas at Little Rock. October 12, 2016. Little Rock, AR, USA.
3. **Samer Al-khateeb**. A tutorial on "Network Overview Discovery and Exploration for Excel (NodeXL)" presented for the IFSC 4399/5399 Social Media Mining and Analytics Class at the University of Arkansas at Little Rock. September 28, 2016. Little Rock, AR, USA.
4. **Samer Al-khateeb**. A tutorial on "Social Cyber Forensics Analysis Using Maltego" presented for the IFSC 1105 FYE for IFSC Majors class at the University of Arkansas at Little Rock. September 20, 2016. Little Rock, AR, USA.
5. **Samer Al-khateeb**. A tutorial on "Gephi and Cytoscape: Network Data Visualization" presented for the IFSC 4399/5399 Social Media Mining and Analytics Class at the University of Arkansas at Little

Rock. October 1, 2015. Little Rock, AR, USA.

Other Services
1. Served as a **PhD Dissertation Committee Member** for the following students:
   - Muhammad Nihal Hussain
     The Department of Information Science at UA-Little Rock, Little Rock, AR.
   - Carmen Robinson
     The Jones Graduate School of Business (Rice Business) at Rice University, Houston, TX.
2. **Served as a Judge for Boosting Engineering Science and Technology (BEST) competition** to help middle and high school students interested in engineering careers   November 4, 2017
   University of Arkansas at Little Rock
3. **Served as a Judge for the Central Arkansas Regional Science & Engineering Fair (CARSEF) and the Intel International Science & Engineering Fair (Intel ISEF),** received certificate of "Appreciation for Outstanding Performance and Voluntary Contribution"   February 28, 2014
   University of Arkansas at Little Rock

Awards and Honors

Awards:
1. **Won the "Best Paper Award"**   October 14, 2018
   International Academy, Research and Industry Association (IARIA). The Eighth International Conference on Social Media Technologies, Communication, and Informatics for the publication titled "Understanding Digital Ethnography: Socio-computational Analysis of Trending YouTube Videos".
2. **Staff Achievement Award for "Educational Achievements"**   April 20, 2018
   The 2018 Staff Awards Ceremony, University of Arkansas at Little Rock.
3. **1st Place Technology Category on the Project "Analyzing Social Bots and their Coordination During Crisis Weather Events"**   May 2, 2018
   University of Arkansas at Little Rock. During the 2018 Student Research and Creative Works Showcase.
4. **Won the "Best Paper Award"**   October 12, 2017
   International Academy, Research and Industry Association (IARIA). The Seventh International Conference on Social Media Technologies, Communication, and Informatics for the publication titled "Assessing Situation Awareness through Blogosphere: A Case Study on Venezuelan Socio-Political Crisis and the Migrant Influx".
5. **Excellence in Research Award**   May 2, 2017
   Department of Information Science, in the 2nd Annual EIT (Engineering and Information Technology) Open House. University of Arkansas at Little Rock.
6. **2nd Place "Most Innovative" Award ($100)**   May 2, 2017
   Kinco Constructors, in the 2nd Annual EIT (Engineering and Information Technology) Open House. University of Arkansas at Little Rock.
7. **2nd Place "Societal Impact" Award ($50)**   May 2, 2017
   College of Engineering and Information Technology, in the 2nd Annual EIT (Engineering and Information Technology) Open House. University of Arkansas at Little Rock.
8. **Outstanding Graduating Student Award (Master's Level)**   May 5, 2015
   College of Arts, Letters, and Sciences (CALS) at University of Arkansas at Little Rock.
9. **Who's Who Among Students in American Universities and Colleges**   Spring 2015
   University of Arkansas at Little Rock
10. **Chancellor's List and Dean's List**   Fall 2010, Spring 2011, Spring 2012
    University of Arkansas at Little Rock

11. **Teaching Enhancements Affecting Minority Students Scholarship**   Fall 2011, Spring 2012
    University of Arkansas at Little Rock

Travel Awards:

1. **SBP-BRiMS2017 Student Travel Award**
   Social Computing, Behavioral Modeling, and Prediction Conference   July 5, 2017
2. **ICDM 2015- Student Travel Award**
   The IEEE International Conference on Data Mining   November 14, 2015
3. **EIT Student Travel Award**
   College of Engineering and Information Technology, UALR   November 14, 2015
4. **SBP-BRiMS2015 Student Travel Award**
   Social Computing, Behavioral Modeling, and Prediction Conference   April 3, 2015
5. **Graduate School Student Travel Award**
   Graduate School –University of Arkansas at Little Rock   Spring 2015

Other Honors:

1. **The Information Science Department's Graduate Student Representative, EIT Dean's Student Leadership Board**   2017-2018
   University of Arkansas at Little Rock
2. **Certificate of Perfect Attendance**   Fall 2009, Spring 2010
   IELP, University of Arkansas at Little Rock

Skills

Languages:
- **Arabic**: Fluent/Native
- **English**: Proficient
- **French**: Basic/Familiarity

Programming Languages:
- SQL, HTML5 & CSS3, JavaScript, C++, SAC (Seismic Analysis Code), PLC Ladder Logic Programming.

Software:
- Oracle Enterprise Manager Security tool, Microsoft WebMatrix, Apache HTTP Server, File Zilla Client, Apache, Microsoft Visual Studio C++, WinRDBI, My SQL Work Bench, PLC Allen Bradley, Electronics Workbench, AutoCAD, MultiSIM, NodeXL, Gephi, Cytoscape, IBM Watson Analytics, ORA LITE, Stanford Topic Modeling Toolbox" or "TMT", Weka, Tableau Public.

Training Certificates:

1. **Social and Behavioral Research Investigators and Key Personnel, CITI Program Certificate.**   October 30, 2017
   University of Arkansas at Little Rock
2. **Introduction to Data Analysis with Demos.**   March 16, 2016
   Big Data University
3. **Using BigSheets for Spreadsheet-like Analytics.**   March 15, 2016
   Big Data University
4. **Watson Analytics Fundamentals (WA001EN).**   March 11, 2016
   Big Data University
5. **Hadoop Fundamentals I.**   February 4, 2016
   Big Data University
6. **Introduction to R Programming.**   January 25, 2016

DataCamp

7. **Introduction to NoSQL and DBaaS.**   January 18, 2016
   Big Data University
8. **Big Data Fundamentals.**   January 17, 2016
   Big Data University
9. **Data Science Methodology.**   January 16, 2016
   Big Data University
10. **Certificate of Training Center for Computational Analysis of Social and Organizational Systems (CASOS) 2015 Summer Institute.**   July 5 - 12, 2015
    Carnegie Mellon University (CMU)
11. **Certificate of Training Green Dot Student Bystander.**   November 9, 2013
    University of Arkansas at Little Rock

Organizations

European Alliance for Innovation (EAI)	2014-Present
Institute of Electrical and Electronics Engineers (IEEE)	2013-Present
The Honor Society of Phi Kappa Phi	2012-Present
Golden Key International Honor Society (GK)	2012-Present
Teaching Enhancements Affecting Minority Students	2011-Present

Selected Media Coverage & Interaction

1. Article entitled "Creighton Professor Dedicated to Rooting Out Social Media's Trolls" [Creighton University Press Release].
2. Article entitled "Al-Khateeb Published Two Papers at 2018 International Conference on Advances in Social Networks Analysis and Mining (ASONAM)" [Creighton University Press Release].
3. Article entitled "UA Little Rock Paper Wins Award At International Conference for Research on Tracking Disinformation Campaigns Through Social Media" [UA Little Rock Press Release].
4. Article entitled "Social Bots Disrupt Online Communication About Natural Disasters" [UA Little Rock Press Release].
5. Article entitled "UA Little Rock Honors Staff Members for Their Achievements" [UA Little Rock Press Release].
6. Article entitled "Research Explore How Online Narratives on Refugees Shift Over Time" [UA Little Rock Press Release].
7. Article entitled "Team COSMOS wins the best paper award at conference" [UA Little Rock Press Release].
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