

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 (DCFM)s

Cyber Propaganda Campaigns

Social Cyber Forensics (SCF)

Social Computing

Data Mining In Social Media

Cyber Collective Actions

Bots Behaviors, Evolution, and Detection

Academic Experience

Postdoctoral Research Fellow

Spring 2018-Current

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

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

Book Chapters:

1. **Samer Al-khateeb**, Muhammad Hussain, and Nitin Agarwal. Chapter 12: *Analyzing Deviant Socio-technical Behaviors using Social Network Analysis and Cyber Forensics-based Methodologies*. In O. Savas & J. Deng, "Big Data Analytics in Cyber Security" (ISBN: 978-1-4987-72129). New York, NY: CRC Press, Taylor & Francis.
2. **Samer Al-khateeb**, Muhammad Nihal Hussain, and Nitin Agarwal. *Leveraging Social Network Analysis and Cyber Forensics Approaches to Study Cyber Propaganda Campaigns*. In T. Ozyer and S. Bakshi (Eds.), "Social Network and Surveillance for Society". Lecture Notes in Social Networks, Springer. Forthcoming, 2017.

Journal Articles:

1. 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.
2. **Samer Al-khateeb**, Kevin J Conlan, Nitin Agarwal, Ibrahim Baggili and Frank Breitingner. *Exploring Deviant Hacker Networks (DHN) On Social Media Platforms*. Journal of Digital Forensics, Security and Law, Vol. 11. No. 2, pp. 7-20. 2016.
3. **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.
4. **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.

Conferences:

1. 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)**.

2. **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. (**Won Best Presentation Award**).
3. **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.
4. Rick Galeano, Nitin Agarwal, and **Samer Al-khateeb**. *Botnets and Propaganda Dissemination*. The 1st North American Social Networks Conference of the International Network For Social Network Analysis (NASN 2017), July 26 - 30, Washington DC, USA.
5. **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.
6. 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.
7. 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.
8. Muhammad Nihal Hussain, Kiran Bandeli, Mohammad Nooman, **Samer Al-khateeb**, 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.
9. **Samer Al-khateeb**, Kevin J Conlan, Nitin Agarwal, Ibrahim Baggili and Frank Breiteringer. *Exploring Deviant Hacker Networks (DHN) On Social Media Platforms*. In proceedings of the Eighth EAI International Conference on Digital Forensics & Cyber Crime (ICDF2C 2016), September 28-30, 2016, New York City, USA.
10. **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.
11. **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.
12. **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.
13. **Samer Al-khateeb** and Nitin Agarwal. *Understanding Strategic Information Maneuvers in Network Media to Advance Cyber Operations*. In Proceedings of the 9th International Lesson Learned Conference (ILLC2015), June 1-4, 2015, Tartu, Estonia.
14. **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.

15. **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.
16. **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.
17. **Samer Al-khateeb** and Nitin Agarwal. *Developing a Conceptual Framework For Modeling Deviant Cyber Flash Mob: A Socio-Computational Approach Leveraging Hypergraph Constructs*. In Proceedings of the 6th International Conference on Digital Forensics & Cyber Crime, September 18-19 New Haven, United States.
18. **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.

Forthcoming Publications:

1. **Samer Al-khateeb** and Nitin Agarwal. *Social Cyber Forensics and Deviant Groups: Uncovering Hidden Relations Using OSINT*. Springer, forthcoming 2018.
2. Muhammad Nihal Hussain, Kiran Kumar Bandeli, **Samer Al-khateeb**, Esther Ledelle Mead, and Nitin Agarwal. *Situation Awareness Through Blogs Using Blogtrackers*. Journal of Information Systems Frontiers. Springer, forthcoming 2018.

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.

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.

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

My role in this project:

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.

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.

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.

My role in this project:

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

Journal Reviewer

1. IEEE Transactions on Computational Social Systems
2. Springer Journal of Social Network Analysis and Mining

Conference Program Committee Member

1. WSDM 2018: International Conference on Web Search and Data Mining.
2. SBP-BRiMS 2016: Social Computing, Behavioral Modeling, and Prediction.
3. 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 Novorossiia 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 Novorossiia 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**. 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.
2. **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.
3. **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.
4. **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 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
2. **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 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”.
2. **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.
3. **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.

4. **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.
5. **Outstanding Graduating Student Award (Master's Level)** May 5, 2015
College of Arts, Letters, and Sciences (CALS) at University of Arkansas at Little Rock.
6. **Who's Who Among Students in American Universities and Colleges** Spring 2015
University of Arkansas at Little Rock
7. **Chancellor's List and Dean's List** Fall 2010, Spring 2011, Spring 2012
University of Arkansas at Little Rock
8. **Teaching Enhancements Affecting Minority Students Scholarship** Fall 2011, Spring 2012
University of Arkansas at Little Rock

Travel Awards:

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

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, 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.
<i>Big Data University</i> | March 16, 2016 |
| 3. Using BigSheets for Spreadsheet-like Analytics.
<i>Big Data University</i> | March 15, 2016 |
| 4. Watson Analytics Fundamentals (WA001EN).
<i>Big Data University</i> | March 11, 2016 |
| 5. Hadoop Fundamentals I.
<i>Big Data University</i> | February 4, 2016 |
| 6. Introduction to R Programming.
<i>DataCamp</i> | January 25, 2016 |
| 7. Introduction to NoSQL and DBaaS.
<i>Big Data University</i> | January 18, 2016 |
| 8. Big Data Fundamentals.
<i>Big Data University</i> | January 17, 2016 |
| 9. Data Science Methodology.
<i>Big Data University</i> | January 16, 2016 |
| 10. Certificate of Training Center for Computational Analysis of Social and Organizational Systems (CASOS) 2015 Summer Institute.
<i>Carnegie Mellon University (CMU)</i> | July 5 - 12, 2015 |
| 11. Certificate of Training Green Dot Student Bystander.
<i>University of Arkansas at Little Rock</i> | November 9, 2013 |

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 "UA Little Rock Doctoral Student Presents Research on Social Cyber Forensics" [UA Little Rock Press Release].
2. Article entitled "Military Supports Research at UALR" [Arkansas Democrat Gazette].
3. Article entitled "Agarwal Addresses NATO Meeting on Dangers of Information Disseminated by Botnets" [UA Little Rock Press Release] [NewsWise].
4. Article entitled "UALR Researchers Present Findings at NATO Conference" [UA Little Rock Press Release] [Arkansas Business] [NewsWise].
5. Article entitled "UALR Professor Monitors ANTI-NATO Narratives For Operation Brilliant Jump" [UA Little Rock Press Release] [Public Now].
6. Article entitled "Graph Visualizes Thousands of Tweets about Apple and #NoBackDoor" [UNH Press Release] [UNHcFREG Blog] [Fox61 Coverage].
7. Article entitled "Agarwal and Students Present Research at Stanford-Hosted Symposia" [UA Little Rock Press Release].
8. Article entitled "Study Demonstrates the Power of Social Media for Terror Propaganda" [UA Little Rock Press Release] [Phys.Org].

References

1. Name: **Dr. Nitin Agarwal.**
Title: Jerry L. Maulden-Entergy Endowed Chair and Distinguished Professor.

- E-mail: nxagarwal@ualr.edu
Office Phone: (501) 683-7155
Web: <http://ualr.edu/nxagarwal/>
2. Name: **Dr. Haydar Al-Shukri.**
Title: Professor and Chair.
E-mail: hjalshukri@ualr.edu
Office Phone: (501) 569-8010
Web: <http://quake.ualr.edu/hja/hja.htm>
3. Name: **Dr. Steven Minsker.**
Title: Professor.
E-mail: sxminsker@ualr.edu
Office Phone: (501) 569-8131
Web: <http://ualr.edu/computerscience/about/faculty-and-staff/steven-minsker/>
4. Name: **Dr. Ibrahim Baggili.**
Title: Elder Family Endowed Chair, Assistant Dean, Associate Professor (Tenured), Co-Director & Founder, Cyber Forensics Research and Education Group (UNHcFREG)
E-mail: ibaggili@newhaven.edu
Office Phone: (203) 932-7198
Web: <http://www.newhaven.edu/faculty-staff-profiles/ibrahim-baggili.php>
5. Name: **Dr. Terry Williams.**
Title: Assistant Professor.
Email: tlwilliams8@ualr.edu
Phone: (405) 974-2826
Web: www.tlwilliams.me