

# Randa Almomen - Curriculum Vitae

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**Nationality** Saudi  
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## Education

- 2011-2018** Ph.D. Computer Science, University of Birmingham, Birmingham, UK  
Thesis title: "Context Classification for Improved Semantic Understanding of Mathematical Formulae"
- 2008-2010** MSc Computer Science With Merit, University of Birmingham, Birmingham, UK  
Thesis title: "Abstracting Symbolic Matrices"
- 2007-2008** English Language Pre-Sessional Course, University of Wolverhampton , Wolverhampton, UK
- 2006-2007** English as a Foreign Language course, Telford College of Arts and Technology, Telford, UK
- 1999-2004** BSc Mathematics, King Saud University, Riyadh, Saudi Arabia
- 1997-1999** College of Applied Medical Sciences, King Saud University, Riyadh, Saudi Arabia

## Teaching Experience

**January 2019 - May 2020**  
Collaborator Assistant professor at Princess Nourah bint Abdulrahman University

**November - December 2018**  
Collaborator Lecturer at Princess Nourah bint Abdulrahman University

**2015 - 2016** Introduction to AI Tutor at the School of Computer Science, University of Birmingham

## Courses Attended

- **Training of Trainer**  
29 June - 11 July 2019, Organized by Eng. Samir Bantan, INTELLIGENCE TRAINING & CONSULTANCY, Riyadh
- **Data Analyst Track**  
August 2018, UDACITY, 1 Million Arab Coders Initiative
- **Infographic Design**  
10 March 2018, Organized by 1st Concept Training Center, Riyadh
- **Giving a Lecture**  
23 February 2016, Organized by Centre for Learning and Academic Development and Learning Spaces, University of Birmingham
- **Lab Based Demonstrating for Postgraduates**  
19 January 2016, Organized by Centre for Learning and Academic Development and Learning Spaces, University of Birmingham

- **Introduction to Assessment and Feedback for Postgraduates**  
02 December 2015, Organized by Centre for Learning and Academic Development and Learning Spaces, University of Birmingham
- **Small Group Teaching in HE for Postgraduates**  
25 November 2015, Organized by Centre for Learning and Academic Development and Learning Spaces, University of Birmingham
- **Introduction to Learning and Teaching in HE for Postgraduates**  
24 November 2015, Organized by Centre for Learning and Academic Development and Learning Spaces, University of Birmingham
- **Self Management Skills**  
30 August 2014, At Mutmaena Training Center, Riyadh
- **Speed Reading**  
03 February 2012, Organized by the University Graduate School, University of Birmingham
- **Time Management**  
12 January 2012, Organized by the University Graduate School, University of Birmingham
- **Software Engineering**  
29 September 2007 - 27 March 2008, School of Computer Science, University of Birmingham
- **Distributed Systems**  
12 January - 27 March 2008, School of Computer Science, University of Birmingham

## Publications

- **Article in Journal**  
Randa Almomem, Alan P. Sexton, and Volker Sorge. Abstracting symbolic matrices – special issue on artificial intelligence and symbolic computation. *Annals of Mathematics and Artificial Intelligence*, 64(4):343–368, 2012.
- **Papers**

Randa Almomem and Volker Sorge. Semantic Understanding of Mathematical Formulae in Documents. In Automated Reasoning Workshop 2015 Bridging the Gap between Theory and Practice ARW 2015.

Randa Almomem and Volker Sorge. A Gold Standard Corpus for Mathematical Documents. In Writing

Randa Almomem, Fahd S. Alotaibi and Volker Sorge. Towards Context-based Extraction of Mathematical Formulae. In Writing

- **Workshop**  
Semantic Understanding of Mathematical Formulae in Documents, Doctoral Programme, Conferences on Intelligent Computer Mathematics (CICM 2012), Bremen, Germany.

## Memberships

A member of The Scientific Document Analysis Group in the School of Computer Science at the University of Birmingham: <http://www.cs.bham.ac.uk/go/sdag/>

## **Technical Skills**

- **Programming Languages**

Java, Python, OCaml, Maple, Shell Scripting and SVN

- **Applications**

Eclipse, Netbeans, L<sup>A</sup>T<sub>E</sub>X, BibTeX and Microsoft Office

- **Operating Systems**

Linux, MAC OS X and Microsoft Windows

- **Languages**

Arabic (mother tongue), English (fluent)

## **Interests**

- **Reading**

- **Sports - Swimming, Ice-skating**

- **Voluntary Work**