

# Randa Almomen - Curriculum Vitae

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## EDUCATION

- 2018**             Ph.D. Computer Science, University of Birmingham, Birmingham, UK  
Thesis title: "Context Classification for Improved Semantic Understanding of Mathematical Formulae"
- 2010**             MSc Computer Science With Merit, University of Birmingham, Birmingham, UK  
Thesis title: "Abstracting Symbolic Matrices"
- 2004**             BSc Mathematics, King Saud University, Riyadh, Saudi Arabia

## WORK EXPERIENCE

### July 2023 - Current

Lecturer of Software Engineering, Alfaisal University.

### September 2022 - June 2023

Assistant professor at Princess Nourah bint Abdulrahman University

### January 2019 - December 2020

Assistant professor at Princess Nourah bint Abdulrahman University

### November - December 2018

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 2008 - 27 March 2009, School of Computer Science, University of Birmingham
- **Distributed Systems**  
12 January - 27 March 2009, School of Computer Science, University of Birmingham

## PUBLICATION

- **JOURNAL PUBLICATIONS**  
Randa Almomen, 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 Almomen 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 Almomen, 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.

## TECHNICAL SKILLS

- **Programming Languages**

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

- **Applications**

Eclipse, Netbeans,  $\LaTeX$ , BibTeX and Microsoft Office

- **Operating Systems**

Linux, MAC OS and Microsoft Windows