

Sarra Drine

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Education:

10 Sep 2012 – 29 Nov 2013	University of St Andrews, St Andrews, UK	MSc Advanced Computer Science
08 Sep 2007 – 18 Jan 2012	King Saud University, Riyadh, Saudi Arabia	BSc Information Technology – 4.93/5
11 Sep 2004 – 26 Jun 2007	Alyamamah School, Riyadh, Saudi Arabia	General Secondary School Certificate (science section) – 99.65%

Work experience:

Lecturer – August 2023 - present

College of Software Engineering
Alfaisal University
Riyadh, Saudi Arabia

Adjunct Lecturer – Jan 2023 – Jun 2023

College of Software Engineering
Alfaisal University
Riyadh, Saudi Arabia

Responsibilities:

- Teaching the SE 117 - Software & Society course
- Teaching the SE 330 - Introduction to Cybersecurity course
- Advisor of Capstone project for the SE 496 - Software Engineering Capstone Project II

Teaching Assistant – Sep 2021 - Dec 2022

College of Software Engineering
Alfaisal University
Riyadh, Saudi Arabia

Responsibilities:

- Teaching assistant for SE/EE 444 Artificial Intelligence course
- Teaching assistant for SE 117 Software & Society course

Graphic Design Teacher – 01 Jul 2021 - Sep 2021

International Technical College (ITC)
Khobar, Saudi Arabia

Responsibilities:

- Teaching Graphic Design courses for Associate Diploma students including Adobe Photoshop, InDesign, and Illustrator
- Creating assessments for Diploma courses in Graphic Design
- Designing, preparing and developing learning schemes, lesson plans, group profiles, individual learning plans ILPs, projects, worksheets, tutorials, handouts, activities, quizzes, and student surveys

- Assessing students' assignments, coursework and projects
- Setting and marking examinations
- Completing continuous professional development CPD and participating in staff training activities

IT Teacher – 22 Aug 2019 - 24 Jun 2020

International Technical College (ITC)

Kharj, Saudi Arabia

Responsibilities:

- Teaching Diploma courses for IT Support students
- Creating assessments for Diploma courses in IT Support
- Designing, preparing and developing learning schemes, lesson plans, group profiles, individual learning plans ILPs, projects, worksheets, tutorials, handouts, activities, quizzes, and student surveys
- Assessing students' assignments, coursework and projects
- Setting and marking examinations
- Teaching IT and math for foundation year students
- Completing continuous professional development CPD and participating in staff training activities

ICT Instructor – 7 Dec 2014 - 2 May 2019

ILEI Al Khobar Female College

Khobar, Saudi Arabia

Responsibilities:

- Teaching Graphic Design courses for Associate Diploma students including Adobe Photoshop, InDesign, and Illustrator
- Teaching the CIT courses for foundation year students
- Teaching the [Microsoft Office Specialist \(MOS\)](#) courses for foundation year students
- Teaching the Associate Diploma courses for the IT Support students
- Training and mentoring staff members
- Conducting CPD sessions for staff members across all college departments
- Creating assessments for the Associate Diploma courses in IT Support
- Creating student and teacher timetables for both foundation and diploma years
- Designing, preparing and developing learning schemes, lesson plans, group profiles, individual learning plans (ILPs), projects, worksheets, tutorials, handouts, activities, quizzes, and student surveys
- Assessing students' coursework and projects
- Setting and marking examinations
- Supporting students through an advisory role
- Completing continuous professional development (CPD) and participating in staff training activities

Lecturer, IT Department – 19 Aug 2014 - 30 Nov 2014

Nescot Consortium Female College of Excellence

Jeddah, Saudi Arabia

Responsibilities:

- Teaching Graphic Design courses for Associate Diploma students including Adobe Photoshop, InDesign, and Illustrator
- Teaching the Microsoft Digital Literacy course for foundation year students
- Teaching the [Microsoft Office Specialist \(MOS\)](#) courses for foundation year students
- Designing, preparing and developing a learning scheme, lesson plans, group profiles, individual learning plans (ILPs), projects, worksheets, tutorials, handouts, activities, quizzes, and student surveys
- Updating and organizing the E-portfolios of vocational year students
- Assessing students' coursework and projects
- Setting and marking examinations
- Supporting students through an advisory role
- Interviewing and enrolling prospective students
- Completing continuous professional development (CPD) and participating in staff training activities

Microsoft trainer – Jul 2014

Prince Sultan University

Riyadh, Saudi Arabia

Responsibilities:

- Delivering intensive Microsoft course titled "Developing ASP.NET MVC Web Applications" to graduate students

Lecturer, Department of Computer Science – 26 Jan 2014 - 5 Jun 2014

Princess Nora bint Abdul Rahman University

Riyadh, Saudi Arabia

Responsibilities:

- Coordination of two courses titled "Programming Languages Concepts" and "Modelling and Simulation"
- Delivering lectures and tutorials for the previously mentioned courses
- Designing, preparing and developing teaching materials
- Assessing students' coursework
- Setting and marking examinations
- Supporting students through an advisory role
- Completing continuous professional development (CPD) and participating in staff training activities

Certifications:

- In May 2018, I obtained an overall score of 8 in IELTS Academic.
- I hold an Advanced Level International Certificate in IT Skills Foundation awarded by Cambridge International Examinations in February 2017.
- I am a Microsoft Certified Professional (MCP) with a renewed certification date of July 2014.
- In July 2014, I passed the Microsoft exam titled "Developing ASP.NET MVC Web Applications."
- In February 2011, I became a Microsoft Certified Technology Specialist (**MCTS**) in Windows Server 2008: Active Directory, Configuration.

Skills:

- **Software design:**
 - I used the User Centred Design approach extensively in my undergraduate graduation project and in one of my master's projects.
My graduation project involved designing and developing an Auditory Discrimination therapy program for children called Sada. This system provided interactive games for children with auditory difficulties -including cochlear implants, ADHD, APD, Dyslexia, and Autism- in Arabic with two Saudi local dialects, which was available for use outside the clinics at home. User Centred Design standard was followed rigorously in the analysis and design of the system. Furthermore, User Acceptance Testing was conducted as a field study with children who have auditory discrimination problems. My master's project involved designing and developing a Social TV and Second Screen application low fidelity prototype. Initially, a paper prototype was designed and proposed to users for feedback. Based on that feedback, a low fidelity prototype was designed, and it underwent three iterations of the User Centred Design process. More than 200 users from 39 different countries were involved in this project.
 - Most of my undergraduate and Master projects were developed following the Waterfall Development methodology.

- **Software development:**
 - My master's dissertation involved developing and implementing an application for Android devices where feedback visualisations were provided to the user to support the Experience Sampling Method (ESM) on mobile devices.
 - I have done a lot of programming in several programming languages, including: Java, Visual Basic, JavaScript and Ruby.
 - I have experience in working with several IDEs, including: Eclipse, Visual Studio, DreamWeaver and Ruby on Rails.

- **Database design:**
 - I have designed and implemented relational databases in almost all of my undergraduate and master's projects.
 - I have experience in working with MySQL and Oracle databases.

Extracurricular activities:

- In June 2012, I was awarded a Master's scholarship for the academic year 2012-2013 from the School of Computer Science of the University of St Andrews. This scholarship was provided based on academic excellence, and it covered in full the tuition fees for international students.
- In April 2012, I participated with my graduation project team members in the Fourth Annual Undergraduate Research Conference on Applied Computing ([URC 2012](#)), where we presented our work to a panel of academic experts.
- In November 2011, my graduation project for my bachelor degree, which involved leading a team of five members to design and develop an Auditory Discrimination therapy program for children, won 5th place in the third scientific meeting for students of King Saud University. My contribution was excessive in every phase of this project, from the initial phase of conducting a literature review to the last phases of testing the entire system.
- In June 2010, I was the leader of a four-member team which took third place in Al-Elm contest, a competition between students of King Saud University for the design and development of web applications. My leadership of this team involved dividing tasks between all of the team members after analyzing the skills of each of them, management of the project, and handling conflicts.

- I was for two times in a row in the Dean's list of outstanding students. This annual award was given to students with the highest GPA in their last two years of study from each department of King Saud University.

Publications:

- Arwa Alamoudi, Modhi Almozaini, Rawan Alabdulrahman, Sara Alkoblan, Sarah Drine, Areej Al-Wabil. ["Interactive Serious Gaming for Children with Auditory Processing Difficulties in the Arabic Language."](#) In HCI International 2013-Posters' Extended Abstracts, pp. 188-191. Springer Berlin Heidelberg, 2013.
- Areej Al-Wabil, Sarah Drine, Sara Alkoblan, Arwa Alamoudi, Modhi Almozaini, Rawan Al-Abdulrahman. ["The Use of Personas in the Design of an Arabic Auditory Training System for Children."](#) In proceedings of the 13th International Conference on Computers Helping People with Special Needs (ICCHP 2012) in Linz, Austria, July 2012.

Hobbies and interests:

- Languages – Arabic is my mother tongue. I am fluent in English with an International English Language Testing System (IELTS) score of 8.5 to support it, and I have basic knowledge of French language.
- Travelling – I have gone to several countries in Europe, the Middle East and North Africa.
- Physical exercise – I go to the gym at least three times a week.
- Video games – Survival Horror and Action games are my favourites.

References on request:

Dr. Areej Al-Wabil

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Alfaisal University
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Janna Abu AlHassan

ICT Team Leader
ILEI Al Khobar Female College
Al Khobar, Saudi Arabia
E-mail: Janna.AbuAlHassan@gmail.com

Personal information:

- Date of birth: 20 April, 1990
- Gender: female
- Marital status: married
- Nationality: Tunisian
- Country of residence: Saudi Arabia