

Aala Amer AlKhayer

Address: Al-Hamra, Riyadh, Kingdom of Saudi Arabia
Email: alaakhayer@gmail.com | Mobile: +966 5539 63341
Nationality: Syrian | D.O.B: 10/1/1991 | Gender: Female

EDUCATION

BSc. Software Engineering (3.92 /4 - First class honor) Prince Sultan University, Riyadh, Saudi Arabia	2013-2018
BSc. Information System Engineering, Multimedia (81% - First class honor) Syrian Virtual University, Damascus, Syria Final Project: Implementing a virtual mouse based on hand gestures recognition	2013-2017
Information Technology Engineering (Software Engineering) Program Damascus University, Damascus, Syria	2009-2012
Saudi General Aptitude Test (GAT) - (93%) Top 5% Students's position	2009
Saudi Scholastic Achievements Admission Test (Science)- (89%) Top 5% Students's position	2009
Saudi High School Certificate - (99.8%) 35 High School, Riyadh, Saudi Arabia	2009

EMPLOYMENT HISTORY

Research Assistant Security Engineering Lab Prince Sultan University, Riyadh, Saudi Arabia <ul style="list-style-type: none">Conducts research for the Cyber Security Research Group ProjectsConducts workshops for Cyber Security Research GroupConducts tutorial class for undergraduate studentsAssigned as the webmaster for the Security Engineering Lab website.	08/2018 – Now
Web Developer (Part Time) coReach Riyadh, Saudi Arabia <ul style="list-style-type: none">Develops the frontend and backend of the company website<ul style="list-style-type: none">Content Management System; Online Payment System; Online Reservation System	05/2018 – Now
Volunteer Researcher Human Computer Interaction Research Group Prince Sultan University, Riyadh, Saudi Arabia <ul style="list-style-type: none">Developed iLung – holographic medical application for lung CT scans using Microsoft HoloLensConducted usability testing for iLung applicationProduced iLung research paper and presented at iCiCSE 2018, Malaysia	01/2018 – 07/2018
Software Engineer (Intern) Arabian Solutions for Investment Riyadh, Saudi Arabia <ul style="list-style-type: none">Developed the frontend and the backend side of the following system:<ul style="list-style-type: none">Content Management System; Online Registration System; Task Distribution System; Online Evaluation System; Role Based Access Control System	06/2017 – 01/2018
Personal Tutor <ul style="list-style-type: none">Programming Java for undergraduate Riyadh, Saudi Arabia	01/2017 – 05/2018

RESEARCH WORK

Conference proceedings – Full Paper

- AlKhayer, A.** & Mansor, E. I. (2018). iLung: Interactive Holographic Medical Application for Lung CT Scans Using HoloLens. Proceedings of the 2nd International Conference on Innovation in Computer Science and Engineering (iCiCSE 2018), Kuching, Malaysia. 30-31 July 2018.
- AlKhayer, A.** & Shegry, S. (2017). Automation of Student Attendance Management System Using BPM. Proceedings of the 19th International Conference on Business Sustainability (ICBS 2017), Dubai, UAE. 19-20 May 2017.

Conference proceedings – Abstract

- AlKhayer, A.** & Mansor, E. I. (2018). iLung: Interactive Holographic Medical Application for Lung CT Scans Using Microsoft HoloLens. 10th Annual Undergraduate research Conference on Applied Computing (URC2018), Dubai, UAE. [Oral Presentation]

2. **AlKhayer, A.**, Hejazi, S., AlRawwaf, R., & Mansor, E. I. (2017). LOST: Mobile Tracking App to Track Lost Cases Using Facial Feature Matching. 9th Annual Undergraduate research Conference on Applied Computing (URC2017), pp 117. Dubai, UAE. [Oral Presentation]
3. AlJamal, D., Haj Alssa, R., Abu Dayya, R., AlShiha, R. & **AlKhayer, A.** (2017). One-Click: Volunteering mobile app. 9th Annual Undergraduate research Conference on Applied Computing (URC2017), pp 99. Dubai, UAE. [Poster Presentation]
4. **AlKhayer, A.** (2017). Implementing a Virtual Mouse Based on Hand Gesture Recognition. Proceedings of the 3rd Undergraduate Research Forum Prince Sultan University (URF 2017), pp 137. Riyadh, Saudi Arabia. [Oral Presentation]

PROFESSIONAL DEVELOPMENT

Training Program

- **July 2018** - Ethical hacking online course
- **October 2017** - Competent communicator certificate - Toastmasters International Communication Program | Prince Sultan University, Riyadh, Saudi Arabia.
- **September 2017** - Fullbridge business program (under supervision of Harvard University) | Prince Sultan University, Riyadh, Saudi Arabia.
- **November 2016** - Ericsson information and communication technology professional foundation program | Ericsson Company, Riyadh, Saudi Arabia.

Workshop

- **April 2018** - Conducted a workshop entitled, The Development of The Holographic Application | Prince Sultan University, Riyadh, Saudi Arabia.
- **October 2017** – Conducted a workshop entitled, Simulation of Biped Walking: 2D Skeleton Model In MATLAB Using The Coordinates of a Set of Joints | Prince Sultan University, Riyadh, Saudi Arabia.

Voluntary Work

- **2015 – now** - Quran instructor for teenagers, Women section | Al Moammar Mosque, Izdihar, Riyadh, Saudi
- **2016 – 2017** - Tutor for the PSU Tutoring Centre | Prince Sultan University, Riyadh, Saudi
- **2016 – 2017** - Tutor for the MASAR Tutoring Program | Prince Sultan University, Riyadh, Saudi
- **2015 – 2016** - Graphic designer for Google student ambassador club | Prince Sultan University, Riyadh, Saudi
- **2013-2017** - Quran instructor for non Arabic speakers | Prince Sultan University, Riyadh, Saudi Arabia

ADDITIONAL SKILLS

- **Software:** Windows and Linux operating systems; C#/C++; Java; Unity; 3D Blender; MATLAB; 3D Slicer, Adobe Photoshop; MySQL; Android SDK; OpenGL; XNA; VRML; Movie Maker; Open CV; HTML; ASP; PHP; Yii2; Emgu CV
- **Languages:** Fluent in English & Arabic

AWARDS

- **April 2018** - Travel grant | Prince Sultan University - 10th Annual Undergraduate Research Conference on Applied Computing (URC 2018), Dubai, UAE
- **March 2018** - 2nd place in the International Speech Contest (Toastmaster English Category - Area Level) | Riyadh, Saudi Arabia
- **October 2017** - 4th place in the IEEEExtreme Programming Competition | Saudi National Level
- **April 2017** - Travel grant | Prince Sultan University (April 2018) - 10th Annual Undergraduate Research Conference on Applied Computing (URC 2017), Dubai, UAE
- **April 2017** – First place in the International Speech Contest (Toastmaster Arabic Category – Area Level) | Riyadh, Saudi Arabia
- **March 2017** - 1st place in the International Speech Contest (Toastmaster Arabic Category - Area Level) | Riyadh, Saudi Arabia
- **June 2016** - Ideal PSU student award 2016 | Prince Sultan University, Riyadh, Saudi Arabia
- **March 2015** - 1st place award programming project (Project title: RMS, a restaurant management system applied at PSU) | Prince Sultan University, Riyadh, Saudi Arabia
- **February 2015** - 1st place award charity project (Project title: Bi Yadi - by my hand) | Prince Sultan University, Riyadh, Saudi Arabia
- **2014-2018** - Full Scholarship in Bachelor of Software Engineering program in Prince Sultan University (PSU), Riyadh, Saudi Arabia.

PROFESSIONAL MEMBERSHIPS

- Toastmaster Member | Prince Sultan University (2014 - now)
- IEEE Member | Prince Sultan University (2014 - 2018)

REFERENCES ON REQUEST

Dr. Iman Almomani, Associate Chair of Computer Science Department, College of Computer & Information Sciences, Prince Sultan University (PSU), Riyadh, Saudi Arabia.
email: imomani@psu.edu.sa

Dr. Evi Indriasari Mansor, Head of Human Computer Interaction Research Group, College of Computer & Information Sciences, Prince Sultan University (PSU), Riyadh, Saudi Arabia.
email: emansor@psu.edu.sa