

Khalid MAHMOUD MOHAMED AHMED

PERSONAL DATA

PLACE AND DATE OF BIRTH: Riyadh, Saudi Arabia | 23.07.1992
NATIONALITY: Egyptian
MARITAL STATUS: Married
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EDUCATION

OCT. 2014 - Still Running	Masters of Science student in Communication and Multi-media Engineering at the Friedrich-Alexander-University , Erlangen, Germany (GPA 1.7/1.0).
JULY 2014	Bachelor of Science in Information Engineering and Technology with High Honours at the German University in Cairo , Egypt (GPA 1.08/0.7)
SEPT. 2007 - JULY 2009	Dr.Mahmoud Omar Secondary School , Egypt

RESEARCH

OCT. 2016 - MAY. 2017	Master Thesis at the Friedrich-Alexander-University , Erlangen, Germany in collaboration with Fraunhofer-Institut für Integrierte Schaltungen IIS . "Uplink Multiple Access Schemes for Ultra-Low Latency Transmission", A system-level simulator is implemented using Matlab object oriented programming simulation environment to test different proposals to guarantee fast access and high reliability to low latency users in LTE.
MARCH 2013 - SEPT. 2013	Bachelor Project at the Technical University in Ilmenau , Germany. "Wireless Health Monitoring System Based on Fiber-Optic Sensors", a wireless portable system to measure the respiratory rate using a fiber Bragg grating (FBG) optical sensor is established. Analyzing and filtering the output data is explained and compared with the output data of a commercial piezoelectric sensor.

WORK EXPERIENCE

JANUARY 2015 - APRIL 2016	Student research assistant (Hiwi) in RFID Project at LIKE, Friedrich-Alexander-University . Implementing a maximum likelihood (ML) receiver for RFID tag reader using multiple receive antennas using Matlab. Validating the performance of ML receiver in a multiple input-multiple output (MIMO) double rayleigh backscatter channel.
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INTERNSHIPS

MAY 2016 – OCT. 2016	Internship at Fraunhofer IIS . The task was to develop and enhance the Open Air Interface (OAI) simulation environment to allow for shorter transmission time intervals (TTI) in the current LTE protocol stack on the physical layer in the downlink using C programming language. The task was a step towards development of 5G cellular stack. A 7-OFDM symbol downlink TTI was developed and tested using OAI simulation environment.
OCT. 2012 – JAN. 2013	Junior teaching assistant at the German university in Cairo teaching CSIS104 for pharmacy students and CSEN102 for engineering students.
AUGUST 2012	Wireless internship at the German University in Cairo learning to work on tinyos to program mib510 motes using nesC programming language on ubuntu then making a simple application about indoor localization using Finger Printing algorithm.
JULY 2012	Radio Frequency (RF) intern at the German University in Cairo , designing and simulating couplers ,filters and phase shifter using Computer Simulation Technology (CST), then working on paper wide band 180 hybrid coupler and modifying it's design to give better results.
JULY 2011	Summer Internship at the Biomedical Inistitute, Technical University in Ilmenua , Germany, designing a flash control system by programming Texas micro controller using C language.
JULY 2010	Summer Internship at the Biomedical Inistitute, Technical University in Ilmenua , Germany, designing and fabricating simple printed circuit boards (PCBs).

LANGUAGES

ARABIC: Mother Tongue
ENGLISH: Fluent
GERMAN: B1.2

COMPUTER SKILLS

Very Good Knowledge: MATLAB, CST - COMPUTER SIMULATION TECHNOLOGY and JAVA
Intermediate Knowledge: \LaTeX
Basic Knowledge: C/C++ and Mathematica

INTERESTS AND ACTIVITIES

Interests

Digital Modulation, MIMO, Digital Signal Proccessing, Information Theory and Programming.

Activities

Member in AYB (A'lashanek Ya Balady) NGO charity and Bdaya NGO charity.
Football, Tennis and Cycling

Ahmed Khalid

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Clifford Baines International

Unit 4, Hove Technology Centre,

St Josephs Close, Hove,

Brighton, BN3 7ES,

United Kingdom

Dear Mr. Robin Somerville,

My name is Khalid and I come from Egypt. I started my master studies on October 2014 and on May 2017, I will finish my master thesis at the Friedrich-Alexander University in Erlangen, and I would like to apply to the position 3GPP Standardization / Research Engineer / LTE / IoT, which I found on LinkedIn.

Clifford Baines International is one of the leading global companies which provides several recruiting and consulting services in the field of telecommunications and information technology to clients across the globe. Being one of your candidates would be a great milestone in my career as a telecommunication research engineer.

From the experience point of view, on summer 2016 I had an internship at the Bright Band department in Fraunhofer IIS as mentioned in my CV. During the internship, I learned a lot about the LTE protocol stack specially the physical layer. Now, I am doing my master thesis at the same department in the topic of "Uplink Multiple Access Schemes for Ultra-Low Latency Transmission". Both experiences gave me the opportunity to know more about the LTE protocol stack (physical layer and MAC layer), which is one of the important requirements for the position. My work in the thesis involved reviewing different companies' proposals in the 3GPP RAN meetings in addition to implementing a system level simulator using object-oriented MATLAB coding to test these proposals, which enhanced my skills in system level modeling. From the academic point of view, my bachelor and master studies in telecommunication engineering alongside my previous internships are directly related to most of the position requirements as indicated in my CV.

I finished my school education in Saudi Arabia, my bachelor studies in Egypt and now I am finalizing my master studies in Germany, which makes me a flexible and adaptive person regarding different work environment and traveling.

Finally, thank you for your time considering my credentials. I am looking forward for your feedback.

Yours faithfully,

Ahmed Khalid