

Muhammad Isa Ahmed Al-Dacher

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Personal information:

- Full Name: Muhammad Isa Ahmed Muhammad Al-Dacher
- Date of Birth: 16/9/1991
- Citizenship: American Egyptian.

Languages:

- Arabic: mother tongue.
- English: fluent.
- French: basic.

Education:

- Bachelor of Engineering, Fresh Graduate , Class 2013, Electrical Engineering Department (EE), Electronics and Communications Major, Alexandria University, Egypt.
 - **Accumulative Grade:** Distinction with a degree of honor
 - **Rank:** 9th out of 380 students in the department
- High school, Victoria College, Academic year 2006-2008, Graduate score: 95%

Experience:

- **Teaching Assistant**, Faculty of Engineering, Alexandria University (2014)
 - Electronics II (for 2nd year - Electrical Power Department)
 - Physics LAB (for Preparatory year)
- **Trainee**, at VLSI Academy, Analog Design Track (2012)
- **Trainee**, at The 4th Egyptian School on High Energy Physics (2014)

Projects:

- Graduation Project (2013):
“**Analog IC design of high speed serial link transceiver for 10 GbaseKR standard using a 65 nm CMOS process**”, PLL subteam, under the supervision of Dr. Sameh Assem Ibrahim, Assistant Professor, Ain Shams University.
- “**Designing the Layout of a CMOS 8-bit Microprocessor**”, under the supervision of Dr. Mohamed Morsy. (2013)
- “**The Technology of Scanning acoustic microscopy (SAM)**” Survey Paper, under the supervision of Dr. Hania Farag. (2011)
- “**Serial Data Receiver Design**” using VHDL, under the supervision of Dr. Amr El-Sherif and Eng. Wael Sharkasy. (2011)

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- **"A Scope on Quantum probability"** Solving Schrodinger's equation using Matlab, under supervision of Dr. Sherif Rabia. (2011)
- **"Simple Alarm Circuit"** electronic circuit on PCB, under the supervision of Dr. Shawky Shaaban. (2010)
- **"LED Matrix Display"** using logic gates, under the supervision of Dr. Mohamed El-Habrook. (2010)

Technical Skills:

- Virtuoso – Cadence
- Layout using Tanner EDA tools (L-Edit)
- Matlab (Programming & Signal processing)
- Digital design using VHDL & Verilog
- Programming (C, Assembly)
- Programming PIC and AVR microcontrollers.
- Simulation Software : Matlab Simulink, Multisim, Proteus, ElecNet, MagNet.
- PCB Design using Eagle.

Activities:

- Volunteer at IEEE Alexandria University Student Branch
 - Head of the Marketing Committee.
 - Registration, Marketing & Activities Committees.
- Volunteer at Egypt Scholars Inc.
 - Marketing Committee.
- Volunteer at E-WEB Scientific Association
 - Secretary & Board Member
 - Photography & Publications Teams.
- Volunteer at Life Makers team in Alexandria University
 - Media team.
- Volunteer at El Gana team charitable organization
- Volunteer in the Science committee at the Students' Union
 - Logistics & Advertising team.
- Organizer at "Electric Week 2011" event in the Faculty of Engineering, Alexandria University
 - Head of Registration, Publication & Marketing Team.
- Participated in "IEEE Xtreme" Programming Competition in October 2011
 - Ranked 19th in Egypt & 7th in Alexandria University.
- Participated in Mathmania Summit I in the Faculty of Engineering, Alexandria University in August 2009
 - Presented a topic entitled "Matrices in Cryptography".