

Hadeel Muhammed Abd Elsamad

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Education

Faculty of Engineering, Cairo University

- M.Sc., Systems and Biomedical Engineering – Cairo University, Giza, Egypt.
 - Enrolled at Sep 2015, in progress.
 - Studied courses through Pre-Master program: Healthcare Information systems, Numerical Methods in Biomedical Engineering, Algorithms, Bioinformatics, Quantitative physiology, Clinical Engineering, Physiological Monitoring, Ultrasonic Tissue Characterization and Rehabilitation Engineering.
- B.Sc., Systems and Biomedical Engineering (2010 - 2015) – Cairo University, Giza, Egypt.
 - Overall Grade: very good with degree of honor (83%).
 - Overall Rank: 2 (Over a class of 40 students)
 - Last Year Grade: Excellent.
 - Graduation Project Title: Elderly telecare system.
 - Graduation Project Grade: Excellent.

Professional Experience

- **Arabian Computer Services (ACS), Cairo – Egypt | Feb 2016 to Present.**
 - Position: Health Informatics Specialist.
 - Industry: Healthcare Solutions.
 - Job Description:
 - Gather and analyze requirements of Healthcare information systems.
 - Applying Information technology and software engineering knowledge and skills into biomedicine domain.
 - Contribute in design Healthcare information systems based on internationally adopted Health Information Exchange standards e.g. HL7 v2.x, HL7 v3, CDA, IHE profiles.
 - Contribute in analysis, design, code and test software programs either for internal use within the health informatics department or for an external customer.
 - Research and study Health IT tools, APIs, open source projects as requested by the line manager.
 - Research and study healthcare IT standards when possible within the application domain.
 - Developing proof-of-concepts and prototypes, define systems interfacing specifications.
 - Responsible for developing user documentation, system documentation, training manuals and tutorials, evaluating efficiency and effectiveness.
- **Faculty of Engineering Cairo University, Giza – Egypt | Oct 2015 to Jan 2016.**
 - Position: Physics Lab Assistant.
 - Industry: Physics.
 - Job Description:
 - Instruct and assist students in lab sessions in collaboration with lab manager and under the supervision of Physics Faculty Assist with evaluation of student performance, including grading of homework and quizzes.

- Direct interaction with students, including office hour's miscellaneous duties in the service of Undergraduate Physics courses, as directed by Faculty.

Internship Experience

- September 2014 training at MSK Company
- August 2014 training at Siemens inside 57357
- August 2014 training at IBG Company
- July 2014 training at the Police hospital
- July 2014 training at Fisher & Baycel
- September 2013 training at Abo Elrish Japanese hospital
- August 2013 training at 57357 hospital
- August 2012 training at El Kasr El Ainy French hospital
- July 2012 training at the Institute of prosthetic limbs

Technical Skills

- Database (MySQL work bench, Oracle) - **very Good**
- Mirth Connect - **very Good**
- Data Structures via C - **very Good**
- Operating on UBUNTU - **very Good**
- Simulation Software (Multisim) -**very Good**
- Java, Javascript - **Good**
- Computer Graphics via C # - **Good**
- VHDL -**Good**
- HTML, PHP - **Good**
- Parallel computing via C++ - **Good**
- MATLAB - **Good**
- Android - **Fair**

Extracurricular Activities:

- Marketing and Publicity member at CIBEC 2016
- Attendee at CIBEC 2014
- Attendee at EMBS ISC 2013
- Attendee at CIBEC 2012
- Publicity member at EntrepreneurME Conference
- Head HR committee in Life Makers Cairo university
- Member at organization committee at SSSB
- Social committee in the students union of faculty of engineering Cairo university

Languages

- Arabic: Native
- English: Very Goods

Personal Information

- Date of Birth: 01/02/1993
- Nationality: Egyptian