Amr Mohammed Adel

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CAREER OBJECTIVES

Seeking a challenging career with a progressive organization that provides an opportunity to capitalize my technical skills & abilities in the field of Software developing

CORE SKILLS

• Broad development knowledge, including Apache, Linux, SQL databases

• Good understanding of software engineering, software Architecture design, patterns, software modelling and database design

 • Good knowledge of electrical components and circuits

• Good understanding of NLP

.very good Research skills and problem solving

• Expert in Electromyography (EMG) signal capturing and filtering

EDUCATION

B.Sc. in Computer Science

Higher Technological Institute Tenth Of Ramadan City

Faculty of Computer Science

Grade: Good (C+)

Graduation Project Grade: Excellent (A)

GRADUATION PROJECT

Project Description:

We developed a neuro prosthetic hand controlled using human Electromyography signals which we acquired from forearm muscles using new capacitive surface electrode technology and by applying some filter and machine learning using python language ,we allowed amputee to make a four different movements which is close ,open, rest and index finger.

Duty:

Project team leader and responsible for data acquisition from human forearm developing interface for recording data, signal processing and develop algorithm for hand motion classification

SOFTWARE EXPERIENCE

- Programming Languages: Solid python/C/C++/PHP/HTML/CSS/QT

- Programming Methods: OOP/ Machine Learning /Data analysis/Signal processing

- Microcontroller Programming: Arduino/PIC microcontroller/Raspberry pi

- Numerical computation: MATLAB/Eagle Software PCB design/Proteus design

- Design Software: Photoshop 6 / SolidWorks

- Operating Systems: Linux, Microsoft Windows

EXTRA ACTIVITIES

-Member of Unmanned Ariel Vehicle Club (2015)

-Team Leader at Dell EMC Competition year of (2016)

-Founder/CTO at UltraBionic startup Team– Injaz Egypt, Egypt (2017)

-Head of Arts Committee at HTI student union (2013)

WORK HISTORY

-Software Engineer freelancer – ministry of agriculture, Egypt (2016)

Embedded system project about programming some sensors using python on raspberry pi module to make rain predictions and develop a GUI to control sensors using PC

-Embedded System Engineer-Giza Systems, Egypt (2017)

Working with community to develop new technology to help people with disabilities

-Software Engineer freelancer- personal project, Egypt (2015)

Project for table tennis championship in Egypt it is about player and clubs registration and automatic choosing matches depending on player rank. I used python programming language and SQLite for coding whole desktop application

TRAINING HISTORY

-June (2016) till September (2016) (**ARtronix**)

Embedded System C programming core/advanced, PIC microcontroller and basic electronics And final project was SmartHome automation system controlling lighting automatically and from android smartphone

 -June (2015) till September (2015) (**ITShare**)

 PHP core/Advanced, HTML, CSS, database design fundamentals and MySQL

CERTIFICATIONS

-Machine Learning Andraw Ng Stanford University (**Coursera**)

 -PIC Microcontroller (**ARtronix**)

-PHP core/Advanced (**ITShare**)

-Graphic Design (**TechRoots**)

LANGUAGE SKILLS

• Arabic: Native

• English: Excellent

PERSONAL INFORMATION

• Nationality: Egyptian

• Date of birth: Jan 1st 1996

• Military Service Status: Postponed