Bassant Mahmoud Mohammed Ali Hamza

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Career Objective

To obtain a research and development engineer position to get an opportunity to engage with the research fields of: Biomedical engineering and communication engineering

EDUCATION

Currently, M.Sc. student in Electrical Engineering
Alexandria University, Alexandria , Egypt.

2014 July
B.Sc. in Electrical Engineering
Major: Electronics and Communications Engineering, Alexandria University, Alexandria, Egypt
Classes relevant to required field:
Electromagnetic waves-1, electromagnetic waves-2, signals and systems, analog communication, transmission media, digital communication, optical communication, Digital signal processing (DSP), communication systems , advanced communication, biomedical engineering.
Grade: **Distinction** with honor degree (5 years distinction)
Ranking: **4th** out of 356 class
Percentage: 90.85 %

2008 July
High School, Scientific General Certificate
Grade: Distinction with 98.9 %

HONORS AND AWARDS

- Alexandria University Excellence award (2010-2014)

Trainings

2012   July
   Type: in field Training.
   Place: Gharb El-Delta power planet
   Performance: Distinction.
   Duration: 2 weeks training

2011   September
   Place: Faculty of engineering
   Under supervision of: Dr Shawky Shabaan
   Performance: Distinction.
   Duration: 2 weeks training

Projects History

2014
   Cursor control using brain signals of eye movement, Alexandria University,
   Egypt.
   "Graduation Project".
   Under supervision of: Dr. Amr El-Sherif.
2014
   Control of stepper motor using **AVR Microcontroller,** Alexandria University,
   Alexandria, Egypt.
   Under supervision of: Dr. Nayera Sadek

   Matlab codes:
   - Analog communication code
   - Digital communication code
   - Optical system design using matlab and optisystem software design
     program
2011
   1st year - logic design: ALU design.

PROFESSIONAL MEMBERSHIPS

   - Student Member of IEEE for 1 year

Skills and Software Abilities

- ❖ Technical Writing
- ❖ Creating and Mapping Solutions
- ❖ Teamwork , Team Building and Motivation
- ❖ Time and effort management
- ❖ Circuit Simulators: Protus
- ❖ AVR programming: code vision
- ❖ Mathematics Packages: Matlab
- ❖ Programming Languages: C, Assembly language, and Matlab.
- ❖ OS: Microsoft Windows

Certifications

- C Programming course
- Matlab course
- AVR Microcontroller course
- Mobile communication course
- Egyptian Government –Ministry of Education excellence awards (2009-2014)
- CCNA course

RESEARCH INTERESTS

- Biomedical engineering (Optical and microwave sensing and developing biomedical sensors)
- Electromagnetic waves and Signal processing
- Communication fields

Language Skills

Languages: Arabic (Native), English (excellent) and French (Basic)