# HEBA IBRAHIM HASSAN IBRAHIM ALY

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## OBJECTIVE

Seeking Ph.D. in Computer Science.

## EDUCATION

### ARAB ACADEMY FOR SCIENCE, TECHNOLOGY AND MARITIME TRANSPORT

#### MASTER OF SCIENCE IN COMPUTER ENGINEERING                    OCTOBER 2018

- Grade: GPA 4.0/4.0
- Honors: Highest Honors
- Thesis: "A New Hybrid Model for Movement Control of Upper Limb Prostheses in Brain Computer Interface Systems."
- Publishing: "Hybrid Brain Computer Interface for Movement Control of Upper Limb Prostheses", International Conference on Biomedical Engineering and Applications, Funchal, Portugal, July 2018.
  - Award: Best Student Paper Award (ICBEA18).
- Teaching Assistant:                                         September 2016 – Present
  - Assisted in teaching Artificial Intelligence, Data Structures, Object Oriented Programming, Data Acquisition and Operating Systems.
  - Assisted professors lecturing and preparing notes, marking lab reports, assignments, midterms, and exams.

#### BACHELOR OF SCIENCE IN COMPUTER ENGINEERING                 JUNE 2016

- Grade: GPA 4.0/4.0
- Honors: Highest Honors
- Thesis: "PHARMAROID: A Mobile Enabled Robot Pharmacist."
- Awards:
  - Scientific Excellence Highest GPA
  - Shield of Excellence from H.E Minister of Defense and Military Production in First International Undergraduate Research Conference of the Military Technical College (IUGRC), Aug 2016.
  - Certificate of Achievement: Best Student Poster Paper in the 2016, 33rd National Radio Science Conference (NRSC).
  - Certificate of Achievement: Best B.Sc. Project Performance during annual graduation seminar, from Computer Scientific Society (CSC), Jul 2016
  - Certificate of Participation in First International Undergraduate Research Conference of the Military Technical College (IUGRC), Aug 2016

### ÉCOLE DES RELIGIEUSES FRANCISCAINES (CIM)

#### HIGH SCHOOL – GENERAL SECONDARY EDUCATION                   JUNE 2011

- Grade: 102.5%
- Honors : Highest Honors
- Certificates of Achievement:
  - Exemplary Student.
  - Academic Excellence.
  - Scientific Excellence.
  - Sports Excellence.

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## INTERNSHIPS

### DELL EMC

#### INTERN                                                    AUGUST 2015 – SEPTEMEBER 2015

- Completed Information Storage and Management (ISM) course.
- Certified in Information Storage Associate Version 2 (EMCISA).

### IBM

#### INTERN                                                    AUGUST 2014 – SEPTEMEBER 2014

- Completed AIX Basics course.
- Completed AIX System Administration course.
- Shadowed technical support engineers while providing technical maintenance and support to help enhance the availability of business' IT environments, and help simplify and optimize complex IT frameworks by providing basic problem fixes and proactive, end-to-end direct access support.

### HOUSING AND DEVELOPMENT BANK (HDB)

#### INTERN                                                    JULY 2013 – AUGUST 2013

- Learned H/W and S/W operations life cycle.
- Learned bank business operations.
- Created Egyptian Credit Bureau I-score reports from international databases.
- Provided technical maintenance and support to business units.

## EXTRACURRICULAR ACTIVITES

- IEEE Eta Kappa Nu (IEEE-HKN) – Vice President – Jan 2019 to Present.
- IEEE Eta Kappa Nu (IEEE-HKN) – Web Correspondent – 2018.
- Association for Computing Machinery (ACM) – Certificate of Achievement – Egyptian Collegiate Programming Contest (ECPC) – November 2012.
- Microsoft – Student Partner Representative – 2013.

## SKILLS

- Natural Language: Fluent in spoken and written Arabic, English and French.
- Programming Language: Visual Basic, C, C++, C# and Java.
- Web Programming: JavaScript, HTML and PHP.
- Database designing and development: MYSQL.
- Mobile application designing and development: Android.
- Image processing and pattern recognition: MATLAB, Python