



# Abdelrahman Abounida

Date of birth: 21/02/1998

Nationality: Egyptian

Gender: Male

## CONTACT

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## WORK EXPERIENCE

01/09/2018 – 31/01/2019 – Cairo, Egypt

### junior teaching assistant

German university in Cairo

I was nominated to be a junior TA at GUC circuits lab, where was responsible for helping students in circuits design by solving any hardware or software problems that face them, and also teach them how to simulate their circuits using PSPICE software.

01/09/2019 – 30/01/2020 – Cairo, Egypt

### junior teaching assistant

German university in Cairo

I was assigned again to be a junior TA at SolidWorks lab- GUC, where I was helping students in any software problem that face them in AutoCAD or SolidWorks software and also teach them some special features and libraries in the program.

## EDUCATION AND TRAINING

01/08/2020 – 10/09/2020 – Egypt Bureau 175 Al-Horreya Axis 90  
South Road 5th Settlement, Cairo, Cairo, Egypt

### Best in Class 2020 program

SIEMENS

I have learnt alot about Automation process, PLC PROGRAMMING, CNC Machines and the best Part for me was the application of Digitalization in the whole process may be the factory process or a small production line.. The mixture between IOT technology with Machine learning, Computer Vision and deep learning really was a perfect ideas.

### Field(s) of study

◦ Digital industry

<https://www.siemens.com/>

01/02/2020 – 30/05/2020 – 5th settlement, Cairo

### IEEE hardware engineer

German University in Cairo

<https://www.guc.edu.eg/>

## LANGUAGE SKILLS

**MOTHER TONGUE(S):** Arabic

**OTHER LANGUAGE(S):**

**English**

**Listening**  
B2

**Reading**  
B2

**Spoken  
production**  
B2

**Spoken  
interaction**  
B2

**Writing**  
B2

**German**

**Listening**  
A2

**Reading**  
B1

**Spoken  
production**  
A1

**Spoken  
interaction**  
A1

**Writing**  
A1

## DIGITAL SKILLS

### My Digital Skills

Mathematica / MATLAB&Simulink / Microsoft Office

#### Programming Languages

Python / Java

#### Software Development

Pyside / PyQt

#### Front-end

HTML / CSS / JavaScript / Bootstrap

#### Backend

FLask

#### DataBase

SQL / MySQL

#### Web Scraping

Selenium / Scrapy / Requests / BeautifulSoup

#### Cloud Platforms

Heroku

#### Data Analysis

Numpy / Pandas / Matplotlib / Excel

#### Machine Learning

Sklearn

#### Robotics

ROS

#### Others

API / Postman / Git

## HONOURS AND AWARDS

**15/07/2016**

**one of the top ranked students (2nd) in secondary school (thanaweya amma) – Egyptian ministry of education**

The year 2016 can be considered as my start journey of success when I was rewarded by the minister of education as one of the top ranked students all over Egypt.

**01/10/2016**

**Bachelor Engineering scholarship – German university in Cairo**

Getting 99.9% in the secondary school give me a great chance to to have a bachelor engineering scholarship at German University In Cairo (GUC).

**08/01/2017**

**a 2-week trip to SIEMENS factories in Berlin, Dusseldorf – SIEMENS**

Being one of the top ranked students in Thanaweya Amma (secondary school) pushed SIEMENS company to reward me with a small trip to visit its factories in Berlin and Düsseldorf which really was as an inspiration for me to become a mechatronics engineer, as I was excited with their automation system and the highly technical robots used there.

**07/08/2020**

**Best In Class 2020 DI competition – SIEMENS**

In this competition we were trying to develop an automation system controlled with PLC but try to digitalize the system using new appeared algorithms such as computer vision and deep learning and that can be controlled remotely. And my team managed to win the competition and achieve the 3rd place out of 12 teams.

## EDUCATION HISTORY

**10/2013 – 01/10/2016**

**HIGH SCHOOL (THANAWEYA AMMA)**

Graduated Class of 2016. Honor Roll

. -I was one of the top ten ranked students all over Egypt (2nd) out of total 500 000 students.

-I got 99.8% (math-branch).

**01/10/2016 – 10/07/2021**

**Bachelor of Mechatronics engineering (GERMAN UNIVERSITY IN CAIRO)**

-GPA 1.03 (A with the German scale)

. -was ranked "17th" among the Mechatronics major students in the cumulative ranking until Winter Semester 2019/2020 (out of total 231 students).

**01/10/2021 – CURRENT**

**Master of MEchatronics Engineering (TUHH)**