

Mohamed Samy El-Fayoumi

1-Albert St. Smouha

Alexandria, Egypt.

(+20)1022395994

E-mail : mohamed.elfayoumi@hotmail.com

LinkedIn : [linkedin.com/in/mohamedelfayoumi](https://www.linkedin.com/in/mohamedelfayoumi)

SKILLS

Computer Software & Technical skills

Programing

C Programming, Python, MATLAB , TensorFlow, Robot Operating System (ROS).

Robotics and Artificial Intelligence

AutoCAD, Embedded Systems, kinematics, IOT, PID control, Motions Planning, Neural Networks, Object detection, Behavior cloning, Computer Vision, Object tracking, State estimation and localization.

Soft skills

Communication and negotiation skills, analytical skills, project and event planning skills, leadership skills, presentation skills, ability to teach and train a wide range of subjects and ability to deal with a wide variety of people with different personalities and from different cultures.

Work EXPERIENCE

Teaching Assistant at BATU

2023 – Present

Teaching assistant in Information technology department at Borg El Arab Technological University.

Teacher

2015 – 2023

Teaching Math and Physics for 1st, 2nd and 3rd secondary grades (Self-employment) .

Event Planner

2016 – 2019

Organizing and planning more than 60 international conferences, working IT in 10 international conference and video making as part-time job.

EDUCATION

BSc in Mechatronics Engineering– Arab Academy for Science, Technology and Maritime

Transport (AASTMT), Alexandria, Egypt

September 2015 - July 2020

- Total Grade: **4th on my class**, Excellent with Honor
- GPA: 3.84/4.00

General Secondary Education Certificate – Collège Saint-Marc, Alexandria, Egypt

September 2001 - June 2015

- Total Grade: Excellent

Projects / Coursework

Graduation Project: Self Driving Cars - Duckietown – Graduation project grade: Excellent (A+)

In this project, A platform of a city in small-scale that preserved the real scientific challenges inherent in a full-scale real autonomous vehicle platform. The platform consists of 5 autonomous robot cars that can navigate in city, communicate together, auto parking and auto recharging.

Visual Perception for Self-Driving Cars course - Coursera platform by University of TRONTO

September 2020

State Estimation and Localization for Self-Driving Cars course - Coursera platform by University of Toronto

July 2020

Introduction to Self-Driving Cars course - Coursera platform by University of Toronto

June 2020

Self-Driving Car Fundamentals course - Udacity

October 2019

Introduction to Python Programming course - Udacity

August 2018

Embedded Systems course - Arab Academy for Science, Technology and Maritime Transport

October 2018

C Programming course – New Horizons Computer Learning Centers

September 2016

VOLUNTEERING

TEDxAASTMT Event

2015 – 2019

Participating in TEDxAASTMT from 2015 to 2019, organizing 2 main TEDxAASTMT events, producing more than 16 TEDx talks and several TEDxSalon events. TEDxAASTMT has also organized a Regional Workshop, where more than 200 TEDx Organizers in Egypt have gathered to discuss best practices and ideas for the TEDx community. My roles in TEDxAASTMT have been as follows:

- **Head of Finance Committee**

October 2018 – December 2019

Leading a team of 15 curious individuals who seek to discover ideas and spark conversations by organizing a local TEDx - TED-like event- and TEDxSalon events thus creating a TEDx community in AASTMT

- **Vice Head of Finance Committee**

February 2017 – June 2018

Supervising the team that held our second TEDxAASTMT event and Regional Workshop.

- **Member in Organizing and Documentation Committee**

February 2015 – November 2017

Working on transforming ideas into tangible outputs, managing most of our event's day-of logistics and finances.

Thus, creating a "TEDx experience" for our guests

Bibliotheca Alexandrina

2014 – 2017

Participating at Bibliotheca Alexandrina from 2014 to 2017, organizing 3 Sketch your future conferences, organizing Environmental Risk Assessment workshop by the US Environmental Protection Agency, organizing more than 50 Youth for Environmental Sustainability and Better Understanding Workshops, organizing 2 PISA exams.

Language skills

Arabic, English, and French.

References

Available upon request