

# Samuel Sameh Hezkial

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## Personal Statement

**Mechatronics Engineer** with interests in embedded systems and robotics. A communicative, encouraging team player who presents ideas effectively and is able to assist others in the latest procedures. Skilled in 3D CAD modelling and animation, FEA.

## Experience

- 06/2016 – 09/2018 Assiut Motorsport team
  - 06/2016 – 09/2016 Transmission and Geartrain committee member.
  - 09/2016 – 09/2017 Engine and Powertrain committee member.
  - 09/2017 – 09/2018 Engine and Powertrain committee leader.
- 06/2016 – 09/2016 Internship at Assiut University ITTU (Integrated technology transfer unit) R&D.
- 07/2017 – 08/2017 Training at Petroleum Pipeline Company Upper Egypt Section.
- 02/2020 – Current Teaching Assistant at Assiut University.

## Education

- 06/2014  
Passed higher secondary from Modern Salam School with Grade: Excellent (96.7%).
- 10/2014 – 07/2019  
Mechatronics Engineering degree from Assiut University.  
Grade: Excellent with Honors (90.24%).  
Graduation Project: Palm Tree Climbing Robot.  
Project Grade: Excellent.

## Skills

- Modeling and Simulation (SolidWorks, MSC ADAMS, and Ansys).
- Programming (C, C++, Python, and MATLAB).
- AI Programming.
- Machine Learning.
- Embedded Systems Design.
- PLC Programming.
- Mechanical Design.
- Knowledge in Hydraulic and Pneumatic systems.
- Presentation skills.
- Leadership.
- Teamwork.
- Work under pressure

## Languages

- Arabic: Native
- English: Very Good
- French: Beginner

## **Courses**

- Certificate on Hydraulic and Pneumatic systems in Industrial Applications Jelecom Egypt.
- Certificate on SolidWorks from Jelecom Egypt.
- Certificate on PLC Programming level 1 from Egycet Egypt.
- Certificate on PLC Programming level 2 from Egycet Egypt.
- Udacity's AI Programming with Python Nanodegree which contained the following projects :
  - Use a Pre-trained Image Classifier to Identify Dog Breeds
  - Create Your Own Image Classifier

## **Reference**

- Available upon request