



Curriculum Vitae

Assem Reda Abdelhafez

Teaching Assistant

Mechatronics and Robotics Engineering
Department

Faculty of Engineering, Egyptian Russian University

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1. Personal Information

First Name / Sure Name: Assem Reda Abdelhafez

Date of Birth: 10-3-1996

Nationality: Egyptian.

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Gender: Male

2. Education

Title of Awarded Degree	Name of Organization Providing Education	Principle Subject	Dates
Master degree	Arab Academy for Science, Technology & Maritime Transport	Mechanical Engineering Mechatronics Engineering	2020 - present
Bachelor's degree	Egyptian Russian University	Mechatronics and Robotics Engineering	2014 - 2019

3. Professional Experience

Occupation	Name & Address of Employer	Dates	
		From	To
Teaching Assistant	Egyptian Russian University	2019	To date

4. Discipline

General Discipline	Mechatronics	Principle Subject	
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5. Professional & Technical Skills

1. Engineering Technical skills:
 - Mechanical Design (SolidWorks & AutoCAD)
 - Use CNC Laser Machine and work on RDWorks software
 - Use CNC milling and work on PCNC 1100 software
 - Work with GRBL CNC controller
 - C for Embedded systems
 - Arduino
 - PIC
2. Engineering Professional skills:

Teaching assistant at The Egyptian Russian University- Mechatronics and Robotics Engineering Department:

 - Computer Applications in Engineering (AutoCAD).
 - Computer Aided Manufacturing (SolidWorks)
 - Mechanical Engineering Drawing.
 - Production Technology
 - Theory of machines

6. Personal Skills

Computer Skills	Self Assessment		
	Excellent	Good	Fair
AutoCAD	√		
SolidWorks	√		
Matlab		√	
Proteus		√	
Egale		√	
Ansys Fluent		√	
Microsoft Office	√		
EES			√
SmartCarve	√		
RDWorks	√		
PCNC 1100			√
Sketch Up			√
Language Skills	Excellent	Good	Fair
Arabic	√		
English	√		
Russian			√

7. Trainings & Workshops

Title of Training or Workshop	Name of Organization Providing Training	Date	Notes
Maintenance	Egyptair	2016	
Maintenance	Eastern Trading sharkawy skoda	2017	
	Banha Military Factory Electronic Industries	2018	
Classic control Course		2018	
PLC Course		2018	
UAV Course		2017	
Automotive Course		2017	
CNC manufacturing Camp		2018	
Embedded System		2016	

8. Social Activities

- **Cofounder** at (RGS) Robotics Geeks School in the university, (Head of competition comity, Vice president, President) (2016 – 2019)
- **Volunteer** at Resala charity. (2015 – 2016)
- **Founder** at SpaceLaser. (2017 – Present)
- **Cofounder** at MENA Hacks (2018 – Present)
- **Supervisor** at (RGS) Robotics Geeks School. (2019 – Present)
- **Supervisor** at Neutrino Racing Team. (2019 – Present)
- **Founder** at SpaceZone (2019 – Present)

9. Awards

- Fighter Robot CIC ARENA I (1st place) (2016)
- Line follower Shoubra X (6th place) (2016)
- Fighter Robot CIC ARENA II (2017)
- Fighter Robot IEEE Suiz University Branch (2nd place) (2017)
- Engineers Syndicate Show Innovation concourse (1st place) (2017)
- Real steel 4 at HTI (1st place) (2018)
- RobotUprising18 hackathon in Finland (13th place) (2018)
- EED 2019 (2019)
- Cairo International Innovation Fair 2019 (2019)
- Honoring Outstanding Students, 1st Place for 5 Years, ERU (2015-2019)