

Tarek Shohdy

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EDUCATION

Egypt-Japan University of Science and Technology University (E-JUST) <i>Bachelor's degree of Mechatronics and Robotics Engineering, last GPA: 3.97, CGPA :3.83</i>	Alexandria, Egypt Oct. 2020 – Present
Alexandria STEM High School <i>STEM High School Diploma, Grade: B+</i>	Alexandria, Egypt Aug. 2017 – Aug 2020

EXPERIENCE

3D Mechanical Design Freelancer <i>UPWORK PLATFORM</i> <ul style="list-style-type: none">Made Pool Scissor Lifting Mechanism for Bayern Company from scratch.Designed some 3d printed parts Using SolidWorks and Ultimaker Cura.	Jul 2022 – Present <i>Remote</i>
STEM Academy Intern Trainee and Trainer <i>Material Science Lab in E-JUST University</i> <ul style="list-style-type: none">STEM Academy Research Unit foundation.Plastic Recycling using 3devo machines (Shredder, Blender, Filament maker).3D Printing using Geetech A10M FDM printer and Creating Keychains, Md fit door fixation.Literature Review writing and Summer intensive Course of how to reach targeted research paper.Certified 3D printing trainer at event organized by AGYA (Arab-German Young Academy.)	Aug. 2021 – Present <i>Alexandria, Egypt</i>
Hilton US Representative Customer Care <i>SUTHERLAND COMPANY</i> <ul style="list-style-type: none">Call Center for Hilton rooms reservation.Communication in English.GEM reservation Software Navigation.	Jul 2021 – Oct 2021 <i>Remote</i>

ACTIVITIES

EJUST ROBOTICS CLUB <i>Project Member and Technical Mentor</i> <ul style="list-style-type: none">MathWorks Minidrone Competition one of the 9 finalists EMEA, 2nd place on MENA region, one of the 3 African finalists (Mentor and Leader).Robot Kinematics using MSC ADAMS, MATLAB, Coppelia (course attendee).We got you 2 event (Minidrone Representative).Ball Balancing robot and ROV'23(mechanical member)Line Following 4WD robot and Obstacle Avoidance 4WD robot (DIY)	Apr 2021 – Present
EJUST RACING TEAM <i>Mechanical Member and Technical Mentor</i> <ul style="list-style-type: none">Making Real Electric Car suspension System for EVER Competition.Designing and modelling using "SolidWorks" and finite element analysis using "Ansys".Analysis iterations using "Optimum Kinematics" and car tests using "MSC ADAMS Car".	May 2022 – Present
EJUST DRAGONS CAMP <i>Competitor and Participant</i> <ul style="list-style-type: none">Go Tourism Project using MIT inventor app.	Sep 2021 – Sep 2021
EJUST ROTARACT CLUB <i>International Services Representative</i> <ul style="list-style-type: none">Strengthen the relations and culture transfer.Couch in Sports day.	Jul 2021 – Mar 2022
EJUST ENACTUS CLUB <i>Project Manager</i> <ul style="list-style-type: none">Researcher for SDGs Achievement.Project manager of Water desalination system.	Jul 2021 – Mar 2022
INTEL ISEF COMPETITION <i>Participant and Winner</i> <ul style="list-style-type: none">Project: Ceaseless Agricultural Water.1st Place in Chemistry and Gold Medal.Yale University Appreciation Certificate.	Jul 2021 – Mar 2022

TECHNICAL SKILLS

Software Programs: SolidWorks, Ansys, Optimum Kinematics, MSC ADAMS View, MSC ADAMS Car, MATLAB, Simulink, Ultimaker Cura, Prusa Slicer
Languages: ROS1, ROS2, Arduino C, C, python, Latex, Lua
Miscellaneous: Robotics, IOT, Computer vision, Control Design, Image Processing, Aerial Robotics

SOFT SKILLS

Teaching, Coaching, Scientific Writing with Latex, Microsoft Office, Presentation Skills, Communication Skills, Creative Research, Project Management, Time Management, Fast typing, Multitasking, Hospitality, Marketing

CERTIFICATIONS

MathWorks Parrot Minidrone Participation <i>One of the 9 finalists on EMEA</i>	Aug 2022 – Nov 2022
Udemy <i>Mechanisms and Motion Course</i>	Aug 2022 – Sep 2022
MATLAB and Simulink <i>Onramp Courses:(MATLAB, Simulink, State flow, Control design)</i>	Jul 2022 – Aug 2022
University of California "Coursera" <i>IOT with Arduino and Raspberry Pi Interfacing</i>	Jun 2022 – Jul 2022
EDX <i>Mechatronics Evolution Fundamentals</i>	Mar 2022 – Jun 2022
DataCamp <i>Python (Introduction and Intermediate level)</i>	Apr 2022 – Mar 2022
LinkedIn <i>LinkedIn SolidWorks Skill Assessment</i>	Jan 2022
Autodesk "Coursera" <i>Mechanical Engineering Design Fusion 360</i>	Sep 2021
Certiport Specialization <i>Microsoft Office (Word and PowerPoint and Excel)</i>	Jan 2019

LANGUAGES

Arabic | *fluent*
English | *Advanced*
German | *Beginner*
Japanese | *Beginner*