

Abdalla Rashed

Computer Vision Engineer

Backend developer in Computer Vision applications with a background in Electrical Engineering. I possess high analytical and programming skills and I am seeking to grow my experience in AI research & development.





Experience

- APR 2023 **Project Engineer**
Esterline Project Management Services
- Business development
- FEB 2023 **Lockheed Martin CISS, UAE (Contractor)**
- R&D for automated FOD detection in engine bay of aircrafts.
 - Workshops & mentorship support.
- SEP 2022
- JUN 2022 **Artificial Intelligence Intern**
Lockheed Martin CISS, UAE
- MAR 2021
- R&D for an AI aircraft inspection program.
 - Presentations to executives & VIP guests.
- AUG 2020 **Electrical Engineering Intern**
Abu Dhabi University, UAE
- JUN 2020
- R&D for social-distance monitoring, vehicles detection, lane detection & behavior cloning projects.
 - Self-Driving Course Material:
 - Preparing lab manuals
 - Preparing project kits

Education

- SEP 2020 **B.Sc. In Electrical Engineering**
Abu Dhabi University, UAE
- SEP 2016
- Summa Cum Laude with 3.99/4.00 CGPA.

Personal Info

-  Abu Dhabi, UAE
-  +971 52 124 0215
-  r.abdalla.1195@gmail.com
-  github.com/r-evaar

Software and Programming

- Python
PyTorch, NumPy, Pandas, OpenCV, Tkinter, Selenium, Flask
- MATLAB
Deep Learning & Data Acquisition
Toolboxes, App Designer
- C++
STL
- Web
HTML, CSS, Bootstrap
- Version Control
Git, GitHub, & GitLab

Skills

- Machine Learning & Computer Vision Algorithms
- CNN Classification & Regression
 - Object Detection
 - Motion Detection & Tracking
 - Anomaly Detection & Unsupervised Learning
 - Basics of Online Learning
- Agile Software Development Life Cycle
- 3D Design & Printing
- Autodesk Inventor
- Embedded Systems Programming
- Arduino & Raspberry Pi
 - Nvidia Jetson SOM
- ROS Basics
- Electrical Circuits Design
- Professional Writing & Presentation in LaTeX & MS Office

Other Projects

APR 2021	AI-Powered Autonomous Robot for Pit and Flue Wall Health Condition Assessment <i>Emirates Global Aluminium, UAE</i>
OCT 2020	<ul style="list-style-type: none">• Worked on building an AI-Powered drone for monitoring the operating conditions of aluminum anode baking furnace.• Developed a framework for pit detection, visualization, & post-processing.• Worked on an UWB indoor positioning system.
JUL 2020	Smart Shopping Cart for People of Determination <i>Abu Dhabi University, UAE</i>
SEP 2019	<ul style="list-style-type: none">• Developed a smart shopping solution to assist wheelchair users.• Design involved: robotic arm for gripping items, automatic barcode detection and scanning system, cart items detection & validation, and a shopping user interface.
MAR 2020	Autonomous Robot for Temperature Abnormalities Detection <i>Emirates Global Aluminium, UAE</i>
OCT 2019	<ul style="list-style-type: none">• Worked on an AI robot for detecting temperature abnormalities at aluminum smelters.• Developed an autonomous driving framework for the robot.• Provided and designed a solution for electromagnetic field interference, enabling the robot to properly operate at site.

Awards

APR 2021	First Place in 3rd EGA Industrial Robotics Competition <i>Emirates Global Aluminium, UAE</i>
JUN 2020	First Place in 3rd Annual ECE Design Project Competition – Judges' Choice <i>Abu Dhabi University, UAE</i>
MAR 2020	First Place in 2nd EGA Industrial Robotics Competition <i>Emirates Global Aluminium, UAE</i>
2017-2020	Certificate of Excellence, Certificate of Honor Student <i>Abu Dhabi University, UAE</i>

Other Activities

Dubai Maker Fair Exhibition
26th-28th Feb 2019

ADDA – Hackathon
17th-19th Nov 2019

Languages

Arabic, Native Speaker

English, Fluent