



Abdelrahman Emad Eldeen Ahmed

 a.emad02018@gmail.com
 linkedin.com/in/abdelrahman-emadeldeen/
 github.com/Emad2018

 (+20) 1100436648
 http://abdelrahman-emad.com/

Education

- **Embedded SW Bootcambor** - Avelabs, Egypt Feb.2019- May 2019
- **Ain Shams University, Egypt** Mechatronics Engineering, B.Sc. Sept. 2013 – July 2018

Professional Experience

Embedded SW Engineer - Avelabs, Egypt May. 2019- Present

- › Creation of NVM blocks using DaVinci Developer and Davinci Configurator.
- › Configured the parameters needed for the NV blocks.
- › Configured the manufacture calibration area storage (Quasi).
- › Implement different types of Indication flags to detect any failures in the NVM operations.
- › Creation of RTE Ports and Runnables for Application Layer using Vector DaVinci Developer.
- › Perform (Unit Testing), Using CANoe, and Lauterbach Trace32 tools for fixing the software bugs.
- › Dealing with JIRA and Plastic tool for tracking the tickets and apply the process of branch merging.

Cources

- AWS Machine learning speciality with MCIT
- Udacity Machine Learning Nanodgree
- Udacity Self Driving Nanodgree
- Udacity Sensor Fusion Nanodgree
- Udacity AI programming with Python Nanodgree
- Udacity C++ Nanodgree
- Udacity Computer Vision Nanodgree
- Udacity Intro to Self-Driving Cars Nano-degree

Projects

Graduation Project (Autonomous Car):

- Developed a software for Autonomous Driver-less Vehicle systems.
- Created the Lane detection algorithm.
- Programmed part of the Object detection algorithm.
- Created the Depth estimate algorithm using Stereo Vision using ZED Camera.
- Integrate object detection, lane detection and depth estimation and link the output to a Tiva-c launchpad kit.

Key Skills

Problem Solving	Teamwork
Debugging	Communication

AUTOSAR

NVM	RTE
Davinci Developer	Davinci configurator

Communication Protocols

CAN	CANoe®
-----	--------

Programming

C++	Embedded C
python	Java script
MISRA-C	

Quality Process

Configuration Management	
Requirements Traceability	
JIRA	V-Cycle

Languages

Arabic (Native)
English (Fluent)