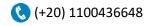
Abdelrahman Emad Eldeen Ahmed

a.

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http://abdelrahman-emad.com/

Education

• Embedded SW Bootcamber - 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.
- Configurated the parameters needed for the NV blocks.
- > Configurated 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 Al 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	Davinci
Developer	configurator

Communication **Protocols**

CAN CANoe®

Programming

C++	Embedded C
python	Java script
MISRA-C	

Quality Process

Configuration Management Requirements Traceability	

Languages

Arabic (Native)
English (Fluent)