

EMMANUEL ARTURO BOLAÑOS ESPINOZA

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Quick learner and capable of working under pressure. Interested in technological advances and always looking for new opportunities to obtain more knowledge and apply it.

EXPERIENCE

2020

RESEARCH PROJECT,

ANÁHUAC MAYAB UNIVERSITY

Implementation of a state-of-the-art algorithm for object recognition and tracking towards the development of an indoors autonomous drone.

2019 – 2020

MEMBER OF TEAM FOR THE MEXICAN TOURNAMENT OF ROBOTICS,

ANÁHUAC MAYAB UNIVERSITY

Developed and implemented an object recognition algorithm for a Parrot Bebop 2 drone.

EDUCATION & CERTIFICATES

2016 – PRESENT

DEGREE IN MECHATRONICS ENGINEERING, ANÁHUAC MAYAB UNIVERSITY

2020

PYTHON PROGRAMMING FUNDAMENTALS, EMTECH INSTITUTE

2013 – 2014

MICROSOFT OFFICE SPECIALIST 2010

SKILLS

- Programming languages:
 - Python
 - C and C++
 - Assembly
- Experience with Python libraries
 - Pandas
 - OpenCV
 - Numpy
 - Tensorflow
- Knowledge of Linux
- Experience with engineering software:
 - MATLAB
 - 3D design software (NX)
 - Circuit design software (Proteus)
 - Robotic simulation (CoppeliaSim, ROS)
 - Networks simulation (Cisco Packet Tracer)
- Languages:
 - Spanish (Native)
 - English (Fluent)