

ALEXIS FRAUDITA

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SKILLS

Technical Skills Python, C/C++, MATLAB, numpy, matplotlib, Scipy, Keras, Tensorflow
Javascript/Reactjs, Microcontroller Programming.

EXPERIENCE

Student Project Sep 2021 - Present
Central University of Venezuela *Caracas, VE*

- Development of my Bachelor thesis about a framework for the development of smart controllers using Reinforcement learning in a robot manipulator.
- Research in Robot simulation, Reinforcement learning and fundamentals of robotics control and modeling using tools like Python, OpenAI Gym, Mujoco, Numpy, matplotlib.

Assistant Professor Feb 2019 - Present
Central University of Venezuela *Caracas, VE*

- Supervision of the Digital Systems and Microprocessors laboratories helping students in the study of microcontroller programming and digital circuit design like DC motor controller and Basic Microcontroller Architecture.

Student Project Oct 2018 - Nov 2018
Central University of Venezuela *Caracas, VE*

- Development of a software for control the MEPIC45k50 development board based on the PIC microcontroller 45k50, for implement sequential logic and combinational logic without programming the board. It will usefull for people who wants to implement logic circuits before implement it in the Digital Systems class. In this case I use PyQt , Pyserial for the desktop app and C for microcontroller Firmware.

Electrical engineer Intern Aug 2019 - Sep 2019
TypeIQS *Caracas, VE*

- Development of a prototype of a SCADA system interface for a photovoltaic system as a MVP project using Mango Automation and Angularjs.

EDUCATION

Central University of Venezuela, B.S Electrical Engineer Sep 2022
Caracas,VE

University of Alberta, Reinforcement Learning Specialization Aug 2020
Coursera

ILAC, English student High Intermediate I Sep 2012
Toronto Ontario, CA

EXTRACURRICULAR

Central University of Venezuela, Table Tennis Team Player Present
Caracas,VE

Caracas Botanic Garden, Volunteer Aug 2019
Caracas, VE