ALEXIS FRAUDITA

+58(412) 111-5669 · Caracas, Venezuela

cuatroalejandro@gmail.com · linkedin · GitHub

SKILLS

Technical Skills   Python, C/C++ MATLAB, Numpy, Matplotlib, Keras, Tensorflow
Javascript/Reactjs, Microcontroller Programming, User Interface Development, Data Analysis.

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 Arquitecture.

Software Developer   Jul 2020 - Nov 2020
SwimApp   *Remote*

- I was part of the development Team where I worked on Profile site, Home and Message system, to connect students from Nyu and Columbia in public. We use ReactJs, Tailwindcss, Flutter and Laravel for the development of the application.

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.

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 8 bit 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.

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

Caracas Botanic Garden, Volunteer   Aug 2019
Caracas, VE