JACOB TINOCO

SPECIALIZATION IN ADVANCED MANUFACTURING AND AUTOMATION SYSTEMS

Contact.

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EDUCATIONAL HISTORY

Computer Science Technician.
Institution: Academic Support Group for the Mexican student population.
Graduation year: 2017.

Mechatronics Engineering.
Institute: Tecnológico de Estudios Superiores de Valle de Bravo.
Graduation year: 2024.

Personal interests

- Artificial intelligence
- Virtual reality
- Augmented Reality
- Artificial Vision

HONORS AND AWORDS

Participation in the scientific and technological research colloquium 2019:

- 1st: Introduction to Artificial Intelligence with Artificial Neural Networks (ANN)
- 3rd: Development and implementation of home security systems through home automation.

PROJECTS.

"Development of an intelligent voice assistant using Amazon Web Services technologies".
Responsibility of: Dr Ángel Ívan García Moreno.
Pacific Summer of Scientific and Technological Research.

"Gesture control of a Cobot UR3 using Leap Motion stereoscopic sensors with artificial vision"."
Responsibility of: Dr Ángel Ívan García Moreno.
Development project

Throughout my career I have developed design and automation projects, you can see more projects in my professional portfolio

LANGUAGES. Self-taught languages

SPANISH
Level: Native.

ENGLISH.
Level: B2.

ITALIAN.
Level: A2.

FRENCH.
Level: A2.

Professional portfolio

Personal description

I am a very responsible, self-taught person who knows how to work in a team with a great interest in any kind of artistic, philosophical and scientific knowledge.

Relevant skills

- Self-learning.
- Teamwork.
- Employee relations.
- Organizational. development.

Volunteer work and interests

- Space Odyssey:
  Volunteer in Physics and Mathematics classes.
- Astronomical events:
  I facilitate with friends to access telescopes.
- Photography:
  Nature, Portrait

Software Programming languages knowledge.

- C
- C#
- C++
- Python

- Solidworks
- Corel
- VISI Series
- Siemens NX
- Fusión 360

- Word
- Excel
- Power Point
- Publisher

Continuous studies….

COURSES.

Fasteners Basic Concepts.
Delivered by: Weldmation México.

Advanced Parametric Modeling Techniques.
Delivered by: Weldmation México.

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CAD Basic User Interfase for Designers
Delivered by: Weldmation México

Die Fundamentals Online.
Delivered by: VISI Series México.

CS50's Introduction to Artificial Intelligence with Python.
Delivered by: HarvardX, EdX.

Experience

I have worked with CNC's such as milling machines, lathes and cutting machines: plasma, laser, lock and tooling... as well as 3D printers. I have programming experience, with projects using Amazon Alexa skills, Gesture control of a UR3 cobot, to name a few. I am able to work both individually and in teams, with research experience with focus on Artificial Intelligence.

References.

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