

# JACOB TINOCO

## SPECIALIZATION IN ADVANCED MANUFACTURING AND AUTOMATION SYSTEMS

### EDUCATIONAL HISTORY



#### Computer Science Technician.

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



#### General High School.

Institution: Escuela Preparatoria Oficial Anexa a la Normal de Valle de Bravo.  
Graduation year: 2018.



#### Mechatronics Engineering.

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

### PROJECTS.

Throughout my career I have developed design and automation projects, to mention a few:



Videogame style:  
"Bomber Man".



"Development of an intelligent voice assistant using Amazon Web Services technologies".  
Responsibility of: Dr Ángel Iván García Moreno.  
XXVII 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 Iván García Moreno.  
Development project

### SOFTWARE AND 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.



#### CAD Basic User Interface 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.

### LANGUAGES. Self-taught languages



#### • SPANISH.

Level: Native.



#### • ITALIAN.

Level: A2.



#### • ENGLISH.

Level: B2.



#### • FRENCH.

Level: A2.

## 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.

## Contact.



[jacobtinoco.ao@gmail.com](mailto:jacobtinoco.ao@gmail.com)



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Portafolio profesional



## 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

## References.

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