



# David Ruiz Garcia

## IT technician and Computer engineering student

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## OBJECTIVE

To utilize my technical skills for achieving the target and developing the best performance in the organization. I would like to implement my innovative ideas, skills and creativity for accomplishing the projects.

## EDUCATION

Jul 2013 - Present

Technological University of the Mixteca  
*Computer Engineering*

Sep 2010 - Jun 2013

School of Scientific and Technological Studies of the State of Oaxaca  
*IT technician*

## SKILLS

### Languages

- HTML y CSS3
- SQL
- C#
- Prolog
- Vhdl
- Javascript
- Node JS
- Java
- Matlab
- PHP
- C y C++
- Python
- CUPL

### Frameworks and libraries

- Opencv
- Angular
- ReactJs
- Bootstrap

### Hardware Knowledge

- CPLD
- Arduino
- FPGA
- Raspberry Pi
- microcontrollers

### Software Knowledge

- Unity3D
- Proteus
- Adobe Suite CS
- Solid Works
- ActiveHD
- Protégé

## PROJECTS

Academic	■ Alice - Virtual smart home assistant	■ Home assistant with Raspberry Pi	■ Computer vision for cancer mama detection
Computer Vision descriptors	■ LBP (linear binary pattern)	■ ULBP (uniform linear binary pattern)	■ HOG (histogram of oriented gradients)
	■ HGD (histogram of gradients divergents)	■ Haralick descriptors	
Heuristics and search	■ tree search	■ Polygon space	
Games	■ Killing Ducks	■ Floating Triangle	■ Smashing square
Others	■ remote-js	■ graphic-method	■ Tortoise

## EXPERIENCE

May 2012 - Present	Freelancer <i>Web, desktop and mobile apps developer</i>
Oct 2017 - Feb 2018	Professional practices <i>Computer vision for cancer mama detection</i>

### Speaking Languages

- Spanish
- English (advance)