



JOSÉ OLAF HUERTA DE LA VEGA

Embedded Biomedical Engineer

ABOUT ME

I am interested in new challenges and meeting professional people to learn from them. My greatest passion is getting new abilities and acquiring knowledge, but also to share and apply my own. I have a special interest in the application of technology in healthcare. My hobby is building do-it-yourself prototypes.

PERSONAL DETAILS



Colinas de Santa Anita Tlajomulco de Zúñiga



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LANGUAGES

Spanish *Mother Tongue*

English *Advanced (TOEFL ITP 568)
(BULATS C1)*

SOFT SKILLS

- Adaptability
- Handling work under pressure
- Project management
- Passion to work
- Strong communication skills



EDUCATION

Biomedical Engineer

2016 – 2020

Tecnológico de Monterrey – Guadalajara, Jalisco, Mex.

Electricity & electronics Technician

2012 – 2016

Centro de Enseñanza Técnica Industrial – Guadalajara, Jalisco, Mex.



EXPERIENCE

Soluciones Kenko

Feb 2020 – Sept 2020

Software intern

- Software development in **embedded systems** focused on medical devices and healthcare innovation.
- Bootloader implementation.
- IEC-60730 & -60335 satisfied.
- 32-bit ARM architecture microcontrollers.

Traumasure Internacional

May 2019 – Aug 2019

Operations intern

- Technical support to trauma and orthopedic surgical equipment.
- Project evaluation of industrial washing machine installation.

DAFCOM

July 2016 – Mar 2019

Jr. Technician

- Security systems, control, and maintenance of IT systems.
- Residential and industrial electric installations.



HARD SKILLS

- *Programming* C/C++, Java, Swift, Python, R
- *Design* CAD (AutoCAD and SolidWorks)
- *Mathematical Software* Matlab
- *Communication Protocols* I2C, SPI, UART, CAN, USB, I2S
- *Digital Signals Processing.*
- *Biosignals specialty.*
- Design, simulation, and implementation of electronic circuits.
- Version control system Git. (certified)
- Real Time Operative System (certified)
- *Debugging tools* Oscilloscope, multimeter, and logic analyzer.



ACADEMIC ACTIVITIES

- **Biomechanical Studies** / Movement analyzes / Anatomical and physiological knowledge
- **Myoelectrical controlled thumb prosthetic** / Biomechanics
- **Psychiatric patient finder** / Patient safety implementation / embedded system project



SOCIAL SERVICE

INCUBADORA SOCIAL JOCOTÁN

Jan 2018 – Aug 2018

Elementary school mathematics professor