

## Curriculum Vitae

### PERSONAL INFORMATION Oscar Alejandro Huerta Villalpando



Priv. Mexica #407, CP. 67140 Guadalupe, Nuevo León, México.

11600789 +52 81 2625 5537

[oahvmlp@gmail.com](mailto:oahvmlp@gmail.com)

Date of birth 25/03/1996 | Nationality Mexican

### PROFESSIONAL EDUCATION

August 2013 - Present

#### Bachelor in Mechatronics Engineering

Universidad Autónoma de Nuevo León. San Nicolás de los Garza, N.L., México.

### PERSONAL COMPETENCES

Mother language Spanish

#### Other languages

English TOEFL ITP 647 (Advanced)

German Goethe Zertifikat C1 (Advanced)

#### Professional qualifications

- Exchange program of one year in Thüringen, Germany with academic purposes in the "Technische Universität Ilmenau".
- CAD software usage (e.g., Solidworks, AutoCAD).
- 3D design software like 3DS Max and Blender.
- High level programming ("VisualBASIC") and low level ("C" and "Assembler") applied to microcontrollers.
- Experience with MATLAB (intermediate) a LabVIEW (basic) applied to data acquisition systems.
- Use of the Office Suite software in an intermediate level.
- Design of analog instrumentation circuitry with operational amplifiers.
- Design of analog filters.
- Teamwork.
- Problem resolution capabilities.
- Determination.
- Willing to constantly learn new things.
- Disposition to affront new challenges.

### Additional Information

#### Projects

- Project director in charge of the design, supervision and development of a solar panel monitor. Project name: "Monitoring for Solar Panels" (2016).
- Three-dimensional design of the communication wiring for an office building, as well as its display.
- Design and rendering of many of the University's Faculty of Engineering buildings and optimization for the rendering, part of a virtual tour.

#### Courses

- Basic programming course oriented to SIEMENS and Allen-Bradley PLCs.
- Design, modelling and 3D rendering with 3DS Max 2015, Blender and ZBrush.
- "Lean Six Sigma - Level Yellow Belt" in TecMilenio.