J. Victor Villarreal Medina – Industrial designer

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About

Hands on, creative, high-energy designer, with 6 years of mechanical design. Passionate about translating people’s ideas into working products. Eye for detail and troubleshooting. I’m a quick learner who likes to work outside of my fields of expertise.

Experience

**REACTIMEX | Mechanical Designer | 2011.03 – Present |** <http://www.reactimex.com>

* Worked alongside a team of chemical engineers to design, prototype and build a series of reactors that turn organic garbage into diesel. <https://www.behance.net/gallery/15438081/Chemical-reactors>
* Designed several test beds for proof of concept of the technology.
* Worked alongside foundries and milling workshops to deliver high precision parts for the project.

**CEDIM | Instructor | 2010.01 – 2011.12 |** <http://cedim.mx>

* Instructor for the Industrial Design and Architecture departments teaching modeling, drawing and rendering techniques on Rhino, SolidWorks, 3D Max and AutoCAD.
* Served as thesis advisor and guided students working on design competitions.
* Designed and taught a summer course on cartoon character design.

**3Cats Studios | Owner and Designer | 2007.04 – 2011.12 |** <http://3cats-studios.net>

* Developed web strategies for various local companies.
* Conceptualized designs for office spaces and furniture.



* Generated 3D architectural renderings and animations for various architectural firms.
* Created interactive museum exhibits and displays.

Skills

**Design**

Reverse engineering, 3D modeling, rendering, model making, sketching, conceptual design, design thinking, research and development, continuous improvement, GD&T.

**Software**

Advanced: Alias, Rhinoceros, Inventor, SolidWorks, AutoCAD, Illustrator, Photoshop

Intermediate: Keyshot, V-Ray, Flash, Zbrush, NX.

**Languages**

Spanish: Native language, English: Fluent speaker

Education

**Instituto Tecnológico y Estudios Superiores de Monterrey - Campus Monterrey | 2002.08 – 2006.12**

Bachelor of Industrial Design

**CEDIM | 2010.06**

Summer Stars course – Product design with Branko Lukic from NONOBJECT

**CEDIM | 2011.06**

Summer Stars course – Reverse engineering with Gaston Bonaudi