

**Education**

Short Course, Polymeric Coatings, *American Chemical Society*, September 2009

Specialty, Professional Specialization on Polymers, *ITESM*<sup>1</sup>, 2006

Professional, Chemical Engineering with a minor in Industrial Engineering, *ITESM*, 2006

**Professional Experience**

Project Engineer Current  
Ing. Paola Flores and Ing. Carlos Cantú *Ingenieros Consultores Asociados, S.A. de C.V.*  
Development of acrylic and styrene based coating resins: from formulation to analysis of film performance by infrared and DSC. Formulation of PVC compound for window profiles.

Sales Representative 2007-2008  
Ing. Miguel A. Alonso and Ing. Gabriel Siles *Reichhold Química de México, S.A. de C.V.*  
Strategic negotiations as a salesman of unsaturated polyester resins, including business plan and sales strategy development; obtained an account that increased the volume by two-hundred ton/month, and therefore doubled my sales volume.

**Research Experience**

“Plastic Wood” Composites 2006  
Dr. Jaime Bonilla *Centro de Investigación en Química Aplicada*  
Investigation on the reprocessability of materials like polyethylene terephthalate and wood flour for the production of composites. An Industrial Chemistry Research project by ITESM that took place at CIQA in Saltillo.

Residual Sludge Reuse 2006  
Ing. José Rodríguez *Instituto del Agua del Estado de Nuevo León*  
Elaboration of technical and economic feasibility studies for the reuse of residual sludge in the city of Monterrey. A joint project by the IANL and ITESM for the Chemical Plants Project.

**Extracurricular Activities**

Automotive Mechanic Student, *Grupo Cedva & ITESM*, 2004-2006

Web Design (Student Affiliation), *Sociedad de Alumnos de Ingeniería Química at ITESM*, 2005

Professor (Social Service), *Impulsa (Junior Achievement Monterrey)*, 2004

English Courses, *The British Center*, 2000-2003

**Skills**

(*Languages*) Spanish: 100%, English: 100%, French: 40%, German: 30%; Willing to learn others.

(*Programming*) Fortran: 90%, ECMAScript: 100%, L<sup>A</sup>T<sub>E</sub>X: 90%, Python: 50%, PHP: 80%

(*Packages*) Excelent handling of Excel, OpenOffice and Kile as well as Adobe Photoshop and Google Sketchup. Moderate handling of Minitab, ASPEN, Sage and R.

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<sup>1</sup>*Instituto Tecnológico y de Estudios Superiores de Monterrey*