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Education

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

Short Course, Dispersions in Liquids, *American Chemical Society*, March 2009

Specialty, Professional Specialization on Polymers, *ITESM*¹, 2006

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

Bachelors, *Liceo de Monterrey*, 2001

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.

Application Designer for Integratec August-December 2006
Lic. Juan E. Huerta *ITESM*
Designed graphics, logos and HTML documents for internal use by the Graduates Department at ITESM; also designed an interactive portal for learning purposes with built-in chat and questionnaires.

Industrial Chemist 2005
Ing. Carlos Cantú *Ingenieros Consultores Asociados, S.A.*
Melting point determination for pigments; redesign of the inventory system.

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.

¹*Instituto Tecnológico y de Estudios Superiores de Monterrey*

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^AT_EX: 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.