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University

Assistant Professor of Materials & Manufacturing by Public Contest (Jun 2004). University of Los Andes, 2004.

Mechanical Engineer

1994 – 2000. School of Mechanical Engineering. Faculty of Engineering. University of Los Andes (ULA). Mérida, Venezuela
Graduation date: jun.16, 2000. **Cum Laude.**

Other Engineering Courses

- *Cristallography*. Basic Postgraduate Course of the “Applied Chemical Postgraduate Program”. Faculty of Chemical Sciences. Universidad de Los Andes. Attendant. 2006
- *Mathematics for Applied Engineering*. Postgraduate Course of the “Applied Mathematics Postgraduate Program”. Faculty of Engineering. Universidad de Los Andes. Attendant. 2005
- *Statistical Process Control*. Siderúrgica del Orinoco, C.A.(Steel Plant) & Reacciu. Ciudad Guayana. 24 hours, 2001
- *Shear Stress Theory*. SIDOR & Universidad Nacional Experimental Politécnica Antonio José de Sucre. Ciudad Guayana. 20 hours, 2000
- *Steam Installations*. ULA. School of Mechanical Engineering. 16 hours, 1999
- *Intensive Course in Industrial Galvanics. Level II*. Parque Tecnológico. R&D Tech Office. Mérida, Venezuela. 24 hours, 1998
- *New Tendencies in Maintenance Engineering*. Dept. of Graduate Studies in Maintenance. ULA. 16 hours, 1997
- *Industrial Furnaces*. Faculty of Engineering. ULA. 14 hours, 1996
- *Piping design for Chemical Process Industry*. J.C.M. Consulting. Mérida, Venezuela. 20 hours, 1996

Other Courses

- *Componente Docente Básico*. (High-Education teaching course). Vicerrectorado Académico. Universidad de Los Andes. Mérida. 192 hours, 2006.
- How to improve High Education in Venezuela. Prof. Orlando Albornoz. Vicerrectorado Académico. Universidad de Los Andes. Mérida. 16 hours, 2004.

- *Human Resources Management: Introduction*. SIDOR. Ciudad Guayana. 24 hours, 2002
- *Finance for Non-financial executives*. SIDOR. Ciudad Guayana. 24 hours, 2002
- *Communication and Leadership: Making it Easy*. SIDOR. Ciudad Guayana. 12 hours, 2001
- *Problem Solving Methods*. Siderúrgica del Orinoco & Empatía Training and Consulting. Ciudad Guayana. 8 hours, 2001

Distinctions

- **Cum Laude** Distinction at graduation. ULA 2000
- School of Mechanical Engineering Prize for Academic Achievement. Faculty of Engineering. U.L.A. 1996

Other Studies

- *English Course*. The Language Exchange. Level completed: Advanced I (7th level). Complete Course Levels: 9. **Toronto, Canada**. Sept. – Oct. 2002
- *English Course*. Fundalidiomas. School of Modern Languages . University of Los Andes (ULA) Level completed: 7th. (Complete Course Levels: 10). 320 hours. 1998
- *Microsoft Visual Basic 6.0 Elementary Course* ULA. Process Engineering Specialization. 16 hours, 2000
- School of Music. University of Los Andes (ULA). Mérida, Venezuela
Principal Instrument: Classical Guitar. 1989 – 1999
- *Linux Basic course (Unix)*.
University of Los Andes (ULA). Computer Lab. Nicolaus Walczuch.8 hours, 1999
- *Basic Course in First Aid*.
Venezuelan Red Cross. Mérida Division. Dirección de Socorro. 48 hours, 1999
- *Music for T.V. and films*.
Faculty of Humanities and Education. National School of Audio-Visual Media.
Convenio ULA & CONAC. 12 hours, 1999
- *Windows, Word for Windows & Excel for Windows*.
Centro de Formación Empresarial Círculo Informático. Mérida, Venezuela.40 hours, 1995

Work Experience

- **Universidad de Los Andes**, Mechanical Engineering School. Materials & Manufacturing Professor. Mérida. From Sept. 2004 to present. Public Contest made on June 2004.
- **SIDOR**, Siderúrgica del Orinoco (Steel company). Cold Rolled Products. Process engineer and Junior Operative Assistant at Temper Mill and Pickle Lines. Ciudad Guayana. Jul. 2000 – Aug. 2004

- **Smurfit.** (Cartones Nacionales). Packing company. Industrial Internships. Elaborated work instructions for ISO 9000 certification. Mechanical Maintenance Dept., Valencia. Jul.1999 – Sept. 1999.
- Pickers - Ágil, C.A. Sleeping Bags, tents -manufacturing company-. Sales Representative. Mérida. 1991 - 2000
- Auto-Repuestos "Del Japón" (Automotive Spare Parts Store)
Design and Implementation of a Data Base for Commercial Operations (Microsoft Acces 7.0 & Visual Basic for Applications). Mérida. 1998
- Café "El Fraile" (Coffee Plantation and Processing)
Making plant drawings (Autodesk AutoCad R13), designing transmissions and making process description reports. Chiguará. Nov.1996 – Mar.1997
- GAMA, Gases Mérida C.A. (Messer - Mérida).
A Project Director: "Design, Development and Implementation of a Computer-Based Program for Cilinder Managment" (Microsoft Visual Basic 4.0 Professional & Microsoft Access 7.0). Mérida. Jan – Aug. 1997

Congresses and Seminars

- *6th National Congress in Mechanical Engineering. Presentation of "Evolution of a mechanically alloyed Al – SiC composite". Faculty of Engineering. U.L.A. Mérida, Venezuela. 2006*
- *4th. National Seminar on Environment and Safety. Faculty of Engineering. U.L.A. Mérida, Venezuela. 1999*
- *2nd. Seminar on Safety. Faculty of Engineering. U.L.A. Mérida, Venezuela. 1997*
- *2nd. National Congress in Mechanical Engineering. Faculty of Engineering. U.L.A. Mérida, Venezuela. 1997*
- *2nd. Seminar on Instrumentation and Control. Faculty of Engineering. U.L.A. Mérida, Venezuela. 1995*
- *Seminar on Instrumentation and Control. Faculty of Engineering. U.L.A. Mérida, Venezuela. 1995*

Other Events

- Design Concepts for Electrical Installations in Buildings. Faculty of Engineering. U.L.A. Mérida. 4 hours, 1999
- Seminar on Selecting and Specifying Centrifugal Pumps. Faculty of Engineering. U.L.A. Mérida. 4 hours, 1997
- Petroleum Refination: New Technologies Symposium. Faculty of Engineering. U.L.A. Mérida. 9 hours, 1997
- Participant in the *XXIII Youth Science Festival*. Sectorial. AsoVac. Mérida, Venezuela. 1991
- Participant in the *VIII Venezuelan Chemistry Olympics*. Youth development programme. Cenamec. 1990

Research Activities

- *Evolution of a mechanically alloyed Al – SiC composite*. Main Author. Research Developed with the Powder Metallurgy Group of the Faculty of Engineering. Universidad de Los Andes. Presented in the *6th National Congress in Mechanical Engineering*. 2006. Mérida- Venezuela.
- Failure analysis of a conical pinion in Farm Machinery. Secondary Author. Research Developed with the Powder Metallurgy Group and DIMMA Group of the Faculty of Engineering. Universidad de Los Andes. Showed in the *6th National Congress in Mechanical Engineering*. 2006. Mérida- Venezuela.
- *Quenching and Tempering Effect on the Medium cycle Fatigue life of AISI 1045 steel*. Mechanical Engineering Project (Final graduation requirement in the Mechanical Engineering Programme). 2000. ULA
- Research into processes and materials for producing aluminum beer containers. Design of die set stamps. Mechanical Technology III (Subject in the Mechanical Engineering Programme). 1998. ULA
- Design and construction of a fixed *automatic wind up machine* for the production line of UniTex (Pickers, C.A.). Mechanical Technology II (Subject in the Mechanical Engineering Programme). 1997. ULA

References available upon request

