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Birthdate: 16/05/1982
Status: Single

Santiago de Chile, April 2011

Master of Science in Industrial Engineering, Master of Science in Civil Engineering at the Institute of Transportation Studies at the University of California, Irvine (UCI)). Strong command of foreign languages and analytic skills.

EDUCATION

Master of Science in Civil Engineering at the Institute of Transportation Studies at the University of California, Irvine (UCI) (2007-2009)

Industrial Engineering. Escola Tècnica Superior d'Enginyers Industrials de Barcelona (ETSEIB) (2001-2007) (emphasis in Management)

LANGUAGES

Spanish: C2

French: C1

Catalan: C2

German: B2

English: C1

Italian: B1

WORK EXPERIENCE AND PROJECTS

2010-2011

SCI CONSULTORES (BUSINESS PROCESS MANAGEMENT CONSULTANT FIRM)

2011

Enjoy Santiago

Process analyst at Enjoy, a leading Chilean entertainment company operating 7 casinos including hotel, restaurant, bar, event, show and tour operator.

Due to its exponential growth in recent years, Enjoy faced problems caused by a lack of normalization between its business concerns. I redesigned processes at the corporate level and then trained the units in the developed procedures. My current focus is on developing an admissions process for new collaborators and on revising the salary payment process."

2010

Subsecretaría de Transporte de Chile

Project at the *Subsecretaría de Transporte de Chile* where we generated the Value Chain, we aligned all aspects of an organization with the wants and needs of clients and we optimized processes. The project is understood in the effort for business effectiveness and efficiency and the search for innovation, flexibility, and integration with technology. Our project was conducted with the help of Business Process Management ARIS in order to assure the success.

2008-2009

University of California – Irvine. Institute of Transportation Systems

MSc in Civil Engineering (Traffic Engineering)

Master Thesis: Study Of Variable Speed Limits Impact In Travel Time, Fuel Consumption And Pollution Emissions In A Lane Drop Scenario

The program focuses on the planning, design, operation, and management of modern transportation and logistics systems. Emphasis is on the development of fundamental skills and knowledge in engineering, systems analysis, modeling, and planning, combined with advanced computational techniques, to address transportation problems affecting urban travel and goods movement.

2007

Eidgenössische Technische Hochschule Zürich (ETH Zürich)

Master Thesis: Study of a Nonlinear Dynamical Model of the Price of a Single Asset using Kalman filter calibration.

This work studies, in a theoretical frame, the dynamics of a model of an asset price according to different parameters.

The model is a non-equilibrium dynamical model of the price of a single asset traded by a population of heterogeneous interacting agents in the presence of uncertainty.

The Master Thesis gave me an insight into stock market.

2006

CDEI (Centre de Disseny d'Equips Industrials)

<http://www.cdei.upc.edu/>

I worked as an engineer in a project creating training courses for workers of the Mechanic Fabrication branch.

2005

Alcan Packaging

I worked as a product designer using Auto-CAD and Solid Works software

SOFTWARE EXPERIENCE

SAP, Minitab, Matlab, Auto-CAD, Solid Works, Word, Excel, C++, Ansys (Engineering Simulator), Aimsun (Transport Software Simulator), Transcad, VISSIM

AWARDS

2009

California-Catalonia Engineering Innovation: it promotes the scientific and technological advancement of Catalonia and strengthens the collaborations between University of California, Irvine and California on the one hand and Catalonia and its university system on the other.

2008

Balsells Fellowship prepares talented young Catalan engineers and scientists in their pursuit of graduate degrees (M.S. and Ph.D.) and post-doctoral studies in engineering at the University of California, Irvine

2000

Fellowship Pere Menal, given to the student with best grades in *Bachillerato* (last two years of High School) who decides to study Mathematics in the UAB (*Univesitat Autònoma de Barcelona*).

PROFESSIONAL MEMBERSHIPS

Transportation Research Board

Casal dels Catalans de California

PERSONAL CHARACTERISTICS

I like challenges and the resolution of difficult problems. My analytic capacity and creativity, as well as my academic background and my knowledge of foreign languages, help me analyze, model and solve the kind of problems that arise in engineering.