

NICOLÁS PÉREZ ESCOBAR

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PROFESSIONAL PROFILE

Graduate student on Industrial Engineering from Universidad de Los Andes. Ease for comprehending and synthesizing real world problems in mathematical terms as well as a high capacity on analytical skills and business understanding. Highly sociable person with abilities for cooperation and team work, and pleasure for challenging problems. Fluent on English, Spanish and French (spoken and written), as well as good learning skills on computer programs. Excellent proficiency in Microsoft Excel, Operations research, mathematical modeling and statistics.

Major emphasis on finances and operations research. Highly interested in continuous learning, professional and personal development and use of knowledge as basis for any kind of discussion or study. Excellent abilities in the use of analytical techniques (numerical/statistical) for giving practical solutions in different organizations and their background.

STUDIES

- Industrial Engineering - Universidad de los Andes, Bogota-Colombia. August 2007-June 2012.
 - Major Area: Operations Research on topics such as Advanced Optimization, Linear Statistical Models, and Multivariate Statistics.
 - Minor Area: Finances on topics such as Derivative Markets and Real Options Valuation.
 - Continued studies course on Sensometry (Applied statistics for sensorial perception on alimentary products). August 2012 – Escuela Colombiana de Ingeniería Julio Garavito.
 - International Bachelor Diploma on Swiss Education (*Maturité Suisse-French*), Colegio Helvetia, Bogotá, 2007.
 - High school – Colegio Helvetia, Bogotá-Colombia, 2001-2007
 - Basic school – Colegio Helvetia, Bogotá-Colombia, 1995-2001
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ACADEMIC EXPERIENCE

- Graduation research project (Thesis) – Multivariate Statistics – “Building a competitiveness index with the use of Principal Component Analysis (PCA), based on the Global Competitiveness Index published by the World Economic Forum”, 2012.
 - High school research project, “Mathematical modeling of a fern’s fractal growth”, 2007.
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WORK EXPERIENCE

Consultant at IQuartil Ltda. (May 2015 – August 2016)

- Statistical modeling for the transportation of Coal in the largest Coal Mine in Colombia (Cerrejón) for the estimation of the economic impact of ship delays in the load ports.
- Excel Macro development on a clustering algorithm to be used directly on Excel Files for creating group segmentation on any particular data set. The algorithm is based on the K-Means technique and can be used on several fields such as: Fraud transaction detection (past events – not predictive), Customer segmentation and Behavior analysis simplification.

- Data base preparation and Statistical analysis for the evaluation of a survey made in the city of Santa Marta (Colombia) concerning private and public transportation preferences on its citizens.
- Business Accelerator and KPI definition assessment for the largest public higher-education provider in Colombia (SENA) within the macro-project led by Microsoft Colombia (Creation of a Centre for Excellence) in the organization.

Consultant/Project Director at Vatic Consulting Group – SDI Colombia (May 2013 – May 2015)

- Active participation in more than 10 consulting projects on Operations Research for Supply Chain in different companies in Colombia and Latin America.
- Participation in transversal strategic projects in logistics that affects more than a single area in the company such as Distribution Center Design, Network Design, Decision Support Modeling, Simulation, Investment Return Analysis, KPI design and Productivity Improvement Assessments.
- Project director for the Strategic Project of Logistics Transformation for one of the most important alimentary product companies in Colombia. Responsible for customer relations, PMO labor and team management.
- Statistical analysis for multiple purposes according to the specific requirements of each of the assessments (SQL queries, VBA macros, Excel modeling).
- Main analyst in distribution center design projects (including future operation modeling) in some of the most important companies in Colombia selling personal care products and footwear.

Junior Analyst at B.O.T. Concesiones de Gerencia (December 2012 – February 2013)

- Participation in different consulting projects with emphasis in educational services in Colombia such as a Fast assessment quantification of the VET (Vocational Education and Training) market size in Colombia, for evaluating the opportunity to enter into that market with a new company.
- Project analyst for the optimization of the scholarship calling process for doctorate and postgraduate studies in one of the main funding organizations in Colombia. The study was based on a specific framework which contemplated the practices and procedures used by the top leading study funding organizations worldwide.
- Participation in a Strategic Planning, Benchmarking and Market Analysis Project for one of the top 3 leading law firms in Colombia.

Consultant at IQuartil Ltda. (January 2012 – September 2012)

- Statistical analysis and modeling for risk hedging related to price variations in different coffee grain varieties in Colombia, for the largest food company in Colombia. Different tools and methodologies were included for the development of the mentioned models, such as: Financial Options & FOREX trade mechanisms, inventory optimization modeling, price-band negotiation models and decision trees, all of them based under time-series predictions for coffee prices in Colombia and the New York Market.
- Frozen food Market market-share analysis and evaluation for a foreign company interested in entering the Colombian market.
- Statistical survey analysis for the evaluation of the implementation of automatized pricing (taximeter) in taxis in Barranquilla.

New Business Development Chief Office Intern at Vetra Exploración y Producción (June 2010 – December 2010)

- Monte Carlo simulation modeling for the evaluation of the expected financial results for oil exploitation contracts in Kurdistan.
- Investment Portfolio valuation for different oil exploitation alternatives in Colombia.

- Optimization modeling for oil production and extraction in specific oil Wells in Colombia, based on the behavior of oil prices in Colombia in the previous years.
- Market share investment analysis for determining the best participation amount for the company in the construction and use of a public-private pipeline (Oleoducto Bicentenario) in Colombia. The valuation considered different uses of transport and their associated return over time.

SPECIAL DISTINCTIONS

- Best class student in the last two years of Highschool (2005-2006, 2006-2007).
- One of the best three students to receive the international Bachelor Swiss Diploma *Maturité Suisse*
- 4.15 GPA (Máximum score of 5)
- Grade of 5 in the graduate paper (Thesis) in the University (Universidad de los Andes).

PERSONAL REFERENCES

- Daniel Cuervo. Tel: +571-.6292204
- Camilo Duque: +571-3136888
- Manuel de Almeida. Tel: +571-5934141.

COMPLEMENTARY

- Proficient in English, French and Spanish (100% spoken and written)
- Advanced use of statistical software: R, SPSS, STATA, Crystal Ball, Arena, FlexSim, Xpress MP, SQL, Microsoft Office (Excellent use of Excel + VBA), and Microsoft Azure Machine Learning Studio.
- Summer camp staff at Agora Camps (2009-2011), responsible for the care of a group of 30 children, as well as for the organization and logistics management in one of the camp headquarters. Camp emphasis on educating children on environmental care and social responsibility (as they were economically favored).
- Volunteer staff member at Agora Camps summer camps offered to the least favored population in the country such as: abandoned/orphan HIV children (Fundamor association) and one of the poorest and most affected (drug and violence) neighborhoods in Bogotá.