ADELINA COSMOSES, PhD*

***20 years** of success in chair & management - data analytics business growth*

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ENGINEERING SKILLS
- Society of Actuaries (SOA) Exams on probabilistic, statistical and stochastic models applied in insurance: P, FM, MFE, C, FAP 1-3, and all FSA Life modules. - Programming language: Excel/VBA, Matlab, C++, Java, Maple, Python, R. - Database: MS SQL Server, MyQSL.
- Agile (software) management.

SCIENCE
- **Referred science journal papers: 8** high ranked international publications
  https://scholar.google.com/citations?user=2e3R4bkAAAAJ&hl=vi&oi=ao
- **Textbook** H.T. Quyen, Basic Programming, (2008) University of Architecture HCMC textbook.

WORK HISTORY AND EXPERIENCE

Chair & *CEO* QT-Analytics California, US   2020-Present
- Providing data-driven and financial solutions to Lamborghini-accelerate any business.

Vice-Chair & Director of Product & Engineering QT-Data Inc.   2017-Present
Saskatchewan, Canada
- Managing product team and engineer team to work with data scientists and developers on data-driven industrial products and entrepreneurial spirit.

Co-Chair & COO QT-Group Global   1999-Present
- Operation management: human resource managing, project management and general cash flow evaluation for 12 companies globally

Product Manager - Rodoland   2011-2017
- Developing & managing products with statistical models on house pricing based on its specific characteristics like place, square, number of bedrooms and utilities.

Researcher and Lecturer 2005-2017 Ho Chi Minh University of Architecture
- Chair of research on Mathematical Optimization and Statistics.
- Chair of the programming curriculum committee.
- Teaching courses of Basic Programming, Linear Algebra, Calculus and Statistics.

Lecturer 2009-2014 **Institute of American Education & Broward College**

- Teaching courses of Basic Calculus, Quantitative Methods of Business, and Business Statistics.
- Chair of Business Mathematics & Business Programming curriculum committees.

EDUCATION
- **Doctor of Philosophy** *(finished dissertation 2014, missing defence procedure)* in *Computational & Applied Optimization*. Thesis: *New Approach of Computational Optimization via Cone Differentiation*
- **Master of Science** in *Optimization*, March 2009 from Vietnam National University - HCMC. Thesis: *Non-smooth optimization*.
- **Bachelor of Science** in *Mathematics and Computing Science*, September 2003 from University of Science, Vietnam National University- HCMC. Thesis: *Grid Computing on Red Hat Linux environments.*

RESEARCH *Optimization, Statistics, Financial Engineering, Machine Learning*

REVIEWER Optimization Letter*,* European Journal of Operations Research

HONORS
- ✔ **Best-qualified Master thesis** in Optimization of Mathematics and Computer Science Department at the University of Science VNU HCM 2009.
- ✔ Vietnam Education Foundation (VEF), and the **U.S. National Science Foundation** (NSF) Scholarship (for participating in *Digital Signal Processing Summer School* 2008)
- ✔ **Excellent student** scholarship in 2002.
- ✔ **Gifted program** student honor of Mathematics and Computer Science Department at the University of Science VNU HCM in 1999-2001.