

CHRISTOPHE NOZARADAN

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BORN ON MAY 17, 1983
BELGIAN CITIZEN

GITHUB
<http://bit.ly/2zHvSzX>

IN A FEW WORDS

M.S. in Physics (UCLouvain, 2007) • Advanced M.S.c. in Financial Risk Management (University Saint-Louis, 2019) • Strong experience in banking software development (Product Expert)

Interested in broadening my financial, actuarial and statistics/data science knowledge.

Interests:

Financial Engineering, Financial Mathematics, Quantitative Finance, Risk Management, Data Science, Statistical Software (R, SAS, Python)

WORK EXPERIENCE

August 2017 – Present

Data Scientist (personal projects)

Project portfolio: <http://bit.ly/2zHvSzX> (GitHub)

Statistics: Hypothesis testing, Regularized Linear & Logistic Regression (Lasso, Ridge, ElasticNet)

Supervised Machine Learning: Decision Trees, kNN, Random Forests, SVM

Unsupervised Machine Learning: K-Means & Hierarchical Clustering, Dimension reduction (PCA, Truncated SVD, NMF)

Deep learning/Neural Networks: Forward/Backward prop, ReLu, Gradient descent, Keras, optimization methods

Technologies: Python, ML packages (numpy, pandas, scikit-learn, keras...), Anaconda, Jupyter notebooks

January 2016 – Present

Training leader – Product Expert (Deposits, Payments, Accounting, Securities,...)

Managing activities / Product expert / Training Leader

Areas: Customer Engagement, Account Management, all Core Banking domains

Clients: LBP, BNPP (France); Degroof Petercam, Bpost/Banque, Rabobank, Argenta, Crelan (Belgium); MBB, PSA (Germany); Post.lu, Mizuho (Luxemburg), Arion Bank, Islandsbanki, RB (Iceland), ...

Sopra Banking Software

October 2012 – January 2016

Principal Trainer

Sopra Banking Software

January 2012 – October 2012

Principal Trainer

Callataÿ & Wouters

September 2011 – January 2012

Trainer (functional/technical) & Consultant

Callataÿ & Wouters

September 2009 – September 2011

Consultant Banking IT & Services

Mainsys Engineering

2008-2009

FNRS Research Fellow (Aspirant)

2007-2008

Assistant at the Mathematics department of UCL

Since 1999

Web designer – Angular JS, (X)HTML, PHP, MySQL, CSS, Javascript, Adobe suite

EDUCATION**2018-2019**

Specialization Master in Financial Risk Management, Banking, Treasury & Corporate Finance (Université Saint-Louis, Bruxelles) – Grade: grande distinction

Thesis: *Time Series Analysis of the EUR/USD foreign exchange rate using the Box-Jenkins methodology*

Courses:

- Asset Pricing (16/20)
- Treasury Management Policy (18/20)
- Statistics for Finance (19/20)
- Accounting (18/20)
- Corporate finance & financial institutions (17/20)
- Risk Management and ALM (17/20)
- Credit Risk Management (19/20)

August 2017 – Present

Data Scientist & Statistics courses with Python, Data Science
Self-study using online resources (Datacamp, Dataquest & Coursera)
Certifications: see <https://www.linkedin.com/in/christophenozaradan/>

2007-2009

PhD student (supported by the FNRS since September 2008).
Université Catholique de Louvain (Louvain-La-Neuve, Belgium)
Theme : *Dirac operators, Vertex Operator Algebras and Noncommutative Geometry*

2006-2007

Master in Physics: second year (greatest distinction, 1st of promotion).
Université Catholique de Louvain (Louvain-La-Neuve, Belgium)
Thesis: *Introduction to Conformal Field theory and the theory of Vertex Operator Algebras* –
Advisors : Pr. Pierre Beliaevsky and Pr. Jean Bricmont

2005-2006

Master in Physics: first year (distinction).
Université Catholique de Louvain (Louvain-La-Neuve, Belgium)

2003-2005

Candidatures in Physics (great distinction).
Université Libre de Bruxelles (Bruxelles, Belgium)

2001-2003

Candidatures in Civil Engineer (distinction).
Université Libre de Bruxelles (Bruxelles, Belgium)

1995-2001

Secondary school : Latin-Greek and Latin-Mathematics (distinction).
Collège Saint-Pierre d'Uccle (Bruxelles, Belgium)

PUBLICATION**September 2008**

Introduction to vertex algebras (arXiv:0809.1380)
Based on lectures given at the Fourth International Modave Summer School on Mathematical Physics, held in Modave, Belgium

LANGUAGE SKILLS

French – mother tongue

English – read, talked, written: fluent

Dutch – good knowledge (worked 2 years in Antwerp) – B2 level

Spanish – basic knowledge

OTHER ACTIVITIES

2006-2009

Tutoring – *Private tutoring in Physics and Mathematics* (all levels)

April 2006

Particle Physics Department (ULB).

Master level training course on : “*Measure of the acceptance of the VPS for the inclusive and exclusive channels in electron-proton collision at HERA*” (joint work)

2001-2006

Violin teacher (private lessons, all ages, all levels)

PERSONAL DATA

Prize

First prize (over 663 participants) of the “Rencontres latines” competition (Belgium, 2000)

Laureate of the International Ancient Latin competition “Certamen Ciceronianum Arpinas” (Italy in 2000)

Musical Skills

Violinist: Uccle's Academy (6 years). Conservatorium Maastricht (3 years).

André Gertler Violin Academy (2 years)

Group activities

Scouting : baladin, louveteau, scout

Sports

Tennis, Cycling, Swimming