



HELOISE NONNE

SENIOR DATA SCIENTIST

07 81 69 44 57
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32 years old, single

EXPERIENCES

Quantmetry

*Quantmetry
Data Science Consulting*

*Jan. 2015 - today: **Manager - Senior Data Scientist***

- Project management in Data Science / Big Data
 - Transport industry: predictive maintenance
 - Banking / Insurance: customer knowledge, cross-sell, fraud detection
- Management of a team of 5 data scientists (doctors et engineers)
- Steering of consulting missions - Customer relations management
- Business development at Quantmetry: pre-sales, responses to request for proposals, commercial propositions
- Development of R&D / monitoring activities at Quantmetry
- Training for clients and teaching programs for engineering schools
- Technical and business communication
 - Speaker at conferences and round tables (France & international)
 - Launch and organization of Quantmetry's blog
 - Management of relations with universities and research labs
- Hackathons and competitions
 - 03/2015: Most innovative health solution award (Hacking Health Camp)
 - 11/2015: Organization of a Data Science competition for machine learning masters (ENS, X, Paris Dauphine, Paris VI)

*Feb. 2014 - Dec. 2014: **Consultant - Data Scientist***

- Consulting missions: project assessment, data audit, workshop organization
- Carrying out Data Science / Big Data projects:
 - Telco company: logs and queries analysis for churn prediction
 - RTB company: click prediction, pushing models in production
 - Banking / Insurance: machine learning for propensity and cross-sell scores, clustering, text mining
- Support to a company in setting up their datalab
- Testing the Big Data architecture of a new datalab
- Supervision and training of a team of junior data scientists



*Technion Israel Institute of
Technology Physics Department*

*Oct. 2011 - Jul. 2013: **Postdoctoral Researcher***

- Modeling acoustic and optical modes of solid Helium
- Stochastic processes: superconducting vortices in artificial impurity lattices



*Laboratoire de Physique
Théorique et Modélisation*

*Oct. 2008 - Sept. 2011: **Research assistant***

- PhD in Theoretical Physics (Condensed Matter)
- Modeling of strongly correlated systems - Quantum field theory, Conformal field theory, Renormalization, Numerical Simulations
- Teaching: C/C++, Statistical Physics, Quantum Mechanics, Thermodynamics

EDUCATION

CERGY UNIVERSITY
PhD in Theoretical
Physics
STRASBOURG UNIV.
Master of Physics
UPPSALA UNIVERSITET
Ms Physics

SOFT SKILLS

Project Management
Management
Training of junior data
scientists
Agile Methodologies
Communication
Conferences
Training Programs

TECHNICAL SKILLS

Data analysis
Machine learning
Data audit
Statistics
Algorithms
Mathematics
Statistical physics

TOOLS&LANGUAGES

Linux - Bash
Python
Pandas
Scikit-learn
Matplotlib
R
C/C++
Vowpal Wabbit
Hadoop
MySQL/Hive/Impala
Spark

LANGUAGES

English: full
proficiency
Spanish: advanced
German: elementary