# DataScientist

Rony Rozas

## Contact

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Français, 32 ans
French : Mother tongue
English : Professional
Spanish : Notions

## Interests

Volley-ball, Roller-skates, Salsa, Kaggle, Datascience.net

## Skills

### Scientifics

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|---|---|
| Machine Learning | Decision trees, K-Nearest Neighbors, Gradient Boosting Machine, Neural networks, Random Forest, K-Means, Support Vector Machine |
| Statistics | Linear regression, Estimators, Statistical hypothesis testing, ANOVA |
| Optimization | Dynamic programming, Constraint programmming, Linear programming, Multi-objective optimization, Combinatorial optimization, Metaheuristics |

### Computer Science

| | | | |
|---|---|---|---|
| Languages | Python (Numpy, Scipy, Pandas, Scikit-learn) , R, Java, C++, C, Bash | | |
| Analytics | Penthao, Tableau Software, Business Catalyst | | |
| Big Data | Hadoop, Hive, Pig, Spark | Database | MySQL, PosgreSQL |
| Indexation engine | SolR, Elasticsearch | Tools | Matlab, Maple, Octave |

### Transversal

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|---|---|
| Intellectual | Analysis and synthesis capacity, Organization, Conceptualization, Ability to conduct an information and technology watch |
| Social | Creation of competence networks, Communication, Good listening skills, pedagogy |

## Experience

2015 - Now **DataScientist / Search Engine Engineer -** *LeGuide Group* Paris, France

Improve search results relevance using datamining and maching learning tools :

- Using supervised and unsupervised classification methods applied to the categorization of millons products in thousands categories
- Optimization of advertising and SEO campaigns
- Analysis and rewriting user search queries

2014 - 2015 **Consultant DataScientist -** *Quantmetry* Paris, France

Consulting with major players in the insurance, banking, complementary health and car rentals :

- Predicting the palatability of a customer to take a loan.
- Fraude detection in a mutual health insurance
- Predicting the probability of a new transaction for a customer given his transaction history

2010 - 2014 **PhD candidate in Applied Mathematics -** *GRETTIA / IFSTTAR* Marne-la-Vallée, France

Projet whith Bombardier :

- Conception of a decision support tool to reduce the risk of downtime and ensure a high level of safety for train doors.
- Establishment of a technical optimization of maintenance parameters.
- Probabilistic modeling of reliability.

2010 - 2014 **Teacher -** *Université Paris-Est Créteil* Créteil, France

Sofware engineering, algorithmic, object-oriented programming (Java), imperative programming (C)

## Education

2014 **PhD** – Computer Science and Applied Mathematics Université Paris-Est

2009 **Master** – Computer Science and Telecom Université Paul Sabatier
speciality : Artificial intelligence