

GUILLAUME TOUZIN

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PROFILE

I'm a data scientist with a formation in mathematics and work experience in machine learning, software development and scientific communication. My work objective is to work with a team of talented individual who will challenge my ideas and help me find creative solutions to complex problems.

PROGRAMMING LANGUAGES AND SOFTWARES

Main (knowledge and daily experience):

- R and Java

Experienced:

- Python, Matlab, C# and MySQL

Used in the past:

- SAS, VBA, SQL Server and C++

Interests and curiosity:

- AWS, Hadoop and SPSS

PROFESSIONAL EXPERIENCE

DATA ANALYST

SOLUTION APPKONEK

2016-NOW

TASKS

- Meet with clients, analyze their needs and then consult them to see if their needs have been met.
- Establish and document user needs.
- Design and develop the database architecture.
- Use database management systems to analyze data and perform data mining.
- Design, build, modify, integrate, test and implement data models and database management systems.
- Write scripts related to stored procedures and triggers.
- Develop and implement data management policies, standards and models.

TEACHER

CÉGEP SHAWINIGAN

(EIGHT-MONTH CONTRACT) 2014-2015

CÉGEP DE LA GASPÉSIE ET DES ÎLES

(ANNUAL CONTRACT) 2013-2014

TASKS

- Communicate in a clear, concise and user-friendly way abstract concepts with examples on the whiteboard, PowerPoint presentations and exercises.
- Create a work atmosphere conducive to curiosity, cooperation and openness to facilitate knowledge transfer.
- Encourage students to cooperate and interact while maintaining an appropriate level of classroom discipline.
- Work with management and other departmental professors to plan activities and implement changes in departmental policies.

SELF-EMPLOYED WORKER

2007-NOW

- Programming contracts
 - For my master thesis supervisor, I did simulations with SAS and I coded course notes with LaTeX.
 - Website development for private clients.
 - I am active on freelancing site like upwork.com and freelancer.com where I get contracts as a python programmer and as a data scientist.
- Freelance blogger
 - I'm a contributor to the website R-exercises.com for which I write exercises set and introduction to machine learning topics.

FRONT DESK AGENT

ÉCOF-CDEC TROIS-RIVIÈRES

SUMMER 2010

TASKS

- Meet with clients, analyze their needs and direct them to appropriate resources. Then consult with clients to see if their needs have been met.
- Keep the files and the website up to date, as well as produce documentation in the form of brochures or pamphlets to inform prospective users.

EDUCATION

MASTER IN APPLIED MATHEMATICS

UQTR

2013

- Specialization in statistics.
- My thesis deals with Monte Carlo methods and how they can be used in simulation and for prediction.

BACCALAUREATE IN MATHEMATICS, STATISTICAL PROFILE

UQTR

2011

- My research project focused on the generation of pseudo-random numbers and simulation methods.

CORE QUALIFICATIONS

- Bilingual (Français/English)
- Data and statistical analysis
- Machine learning algorithm
- Autonomous
- Rigorous
- Creative
- Works well in a team
- Analytical mind
- Sense of organization
- Communicates clearly and efficiently