

Belainine Billal

Curriculum vitae

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PROFESSIONAL EXPERIENCE

SEPTEMBER 2018 – DECEMBER 2016

National Bank of Canada

Consultant, Montreal

Development of a smart agent to categorize clients' emails.

Development of a chatbot for the employers services.

AUGUST 2016 – DECEMBER 2016

Propuls analytics

Big data developer, Montreal

Work on a system of automatic analysis of large masses of unstructured and highly noisy data, in order to automate a classification system for Big Data.

JANUARY 2015 – MAY 2016

Nexalogy

Big data developer, Montreal

Work on a system of automatic analysis of large masses of unstructured and highly noisy data, in order to automate a classification system for Big Data.

JANUARY 2012 – FEBRUARY 2013

Gtechna

Java Programmer & C ++, Montreal

Work on designing an implementation of a batching framework to manage the processing of complex batch files, and file formats, and to interface with a real-time debt management system. The system uses a J2EE architecture with server-side session management (using components such as Spring, Hibernate, and EJB session).

FEBRUARY 2011 - DECEMBER 2011

GMobile45

Java Programmer, Montreal

Work in systems design specializing in mobile and data integration solutions, creating interfaces with ERPs; creation of centralized mobile device management systems (PDA, Android ...).

MAY 2010 - AUGUST 2010

UQAM University

Programmer PHP (CMS Drupal), Montreal

Work on a prototype of a system to integrate shoe sizes, prepare and deliver shoes to customers using a mobile solution.

MAY 2004 - SEPTEMBER 2005

SIDAL pharmaceutical company

Database Administrator

EDUCATION

2016 – 2018 **Computer Science**

DOCTORAL CANDIDATE IN COMPUTER SCIENCE

UQAM University, Montreal

2014 – 2016 **Computer Science**

MASTER OF COMPUTER SCIENCE

UQAM University, Montreal

2009 – 2013 **Computer Science**

BAC IN COMPUTING AND SOFTWARE ENGINEERING

UQAM University, Montreal

2002 – 2006 **Computer Science**

TRAINING IN ARTIFICIAL INTELLIGENCE

University of Chlef, Algeria

PROFESSIONAL SKILLS

2012 **Creation of a centralized system for the management of mobile devices (PDA, Android ...) (Web programming, Programming of embedded devices)**

PDA, Android, Java, Java Script, Spring, JSF, Hibernate

2011 **Creation of a 3D flight simulator (Info-graphic)**

OpenGL, OpenAL, C++

2010 **Creating a Telnet Command Interpreter (Network programming)**

C++

2009 **Creating a Golf Course Management System (Network Programming)**

OpenMP, multithreads, Oracle

2008 **Creating a messaging system under Linux (Network programming, Web programming)**

Java

LANGUAGE SKILLS

- French : Intermediate language
- English : Oral: Intermediate- Written: Intermediate
- Arabic : mother tongue

- [1] Billal Belainine., Alexsandro Fonseca, Fatiha Sadat and Hakim Lounis, "Semi-supervised learning and Social Media Text Analysis towards multi-labeling categorization.," *Proceedings of the 2017 IEEE International Conference on Big Data .* , (BIGDATA-2017), pp. 1907-1916, Boston, MA, USA. December 12th 2017.
- [2] Billal Belainine. Fatma Mallek, and Fatiha Sadat., Automatic Dialectal Recognition in Arabic Broadcast Media. In proceedings of the International Conference on Natural Language, Signal and Speech Processing , in" *ICNLSSP* , Casablanca, Morocco, 2017-12.
- [3] Billal Belainine., Alexsandro Fonseca.and Fatiha Sadat, "Efficient Natural Language Pre-processing for analyzing large data sets.," in *InProceedings of Big Data and Natural Language Processing workshop*, IEEE Big Data 2016. Washington D.C., USA, 201612.
- [4] Billal Belainine., Alexsandro Fonseca. and Fatiha Sadat., "Named Entity Recognition and Hashtag Decomposition to Improve the Classification of Tweets.," in *WNUT*, Sydney, Japan, 2016102.
- [5] Billal Belainine., Alexsandro Fonseca and Fatiha Sadat, "Named Entity Recognition and Hashtag Decomposition to Improve the Classification of Tweets.," in *WNUT*, Sydney , Japan 2016.
- [6] Fatma Mallek, Billal Belainine. and Fatiha Sadat., "Arabic Social Media Analysis and Translation. In Proceedings of the 3rd International Conference on Arabic Computational Linguistics, in" *ACLing* , Dubai, United Arab Emirates, 2017-11.