

# ALEXANDRE DAIGLE

*Born in Canada, 27 May 1991*

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## EDUCATION

*Master of  
Mathematics  
(Computer Science)*

2014- .. University of Waterloo, Waterloo  
School: Cheriton School of Computer Science  
Advisors: Profs. Alejandro LÓPEZ-ORTIZ and J. Ian MUNRO

*Bachelor of  
Mathematics*

2011-2014 Laval University, Quebec City  
GPA: 3.9/4.33 · **Dean's List**  
Final project: *Formal Grammar Applied to Optimization*  
Advisor: Prof. Claude-Guy QUIMPER

*Diploma of  
College Degree  
(Computer Science)*

2008-2011 CEGEP of Sainte-Foy, Quebec City  
R Score: 33.57 · **First Class Honours**  
Focused on technical training with courses on C++, Java, .NET, web development, databases and operating systems. Various software development methodology were used in multiple term-long projects.

## WORK EXPERIENCE

*Coveo* *Summers of  
2013 - 2014* Software Developer,

- Designed and developed a new module to diagnose and provide performance recommendations to the administrator of the search engine.
- Implemented a new phonetic search to improve the search results of proper names.
- Created an algorithm to provide dynamic numerical ranges for faceted search.
- Added support for the Kerberos protocol to authenticate the web crawler.

Reference: Daniel LAVOIE · +1 (418) 263 1111 · [dlavoie@coveo.com](mailto:dlavoie@coveo.com)

*Coveo* *May-Aug 2012* Software Developer,

- Worked in a multi-disciplinary team to develop a new cloud platform.
- Created a connectors for Gmail/IMAP and improved those for Twitter and Lithium.
- Developed in rapid sprint to provide for the requests of a client.

Reference: Robert CLOUTIER · +1 (418) 263 1111 · [rcloutier@coveo.com](mailto:rcloutier@coveo.com)

*Coveo* *Feb-Aug 2011* Software Developer Intern,

- Developed new features for Liferay and Twitter connectors to extract more content and allow more control over the indexation.
- Reimplemented a new connector for Sitecore to improve crawling performance.
- Provided technical documentations of all new developments.

Reference: Nicolas PELLETIER · +1 (418) 263 1111 #363 · [npelletier@coveo.com](mailto:npelletier@coveo.com)

## PROFESSIONAL SKILLS

*Programming  
Software  
Languages*

C++, C#, Java, Python  
L<sup>A</sup>T<sub>E</sub>X, Linux, Matlab, Visual Studio, Mercurial, Git  
FRENCH (native) · ENGLISH (fluent)

## OTHER INFORMATION

*Awards*

2010 · 1<sup>st</sup> position in East of Canada for the Canadian Computing Competition Senior  
2009 · 1<sup>st</sup> position in East of Canada for the Canadian Computing Competition Junior (4<sup>th</sup> in Canada)

*Involvements*

2013-2014 · Vice-President of academics of the mathematics student association at Laval University.  
2013-2014 · Member of the program committee of the department of computer science at CEGEP of Sainte-Foy.