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## Alex Vallée <[alex@alexvallee.com](mailto:alex@alexvallee.com)>

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(438)288-5772  
708-2150 Mackay

<http://www.alexvallee.com/>  
Montréal QC H3G 2M2

### EDUCATION

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#### Undergraduate:

- Bachelor of Engineering in Software Engineering** 2006-present  
Concordia University
- In good standing
- Diploma of College Studies in Natural Sciences** 2002-2005  
John Abbott College

### LANGUAGES

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- French: speak fluently and read/write with high proficiency
- English: speak fluently and read/write with high proficiency

### EXPERIENCE

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- Enzym Inc. 2007-2009
- Tested and repaired satellite television and GPS equipment
  - Developed internal inventory tracking system for returned and defective merchandise

### SKILLS

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- Programming Languages
  - C++: Advanced
  - Java: Advanced
  - MySQL: Intermediate
  - C: Intermediate
  - Common Lisp: Intermediate
  - PHP: Intermediate
  - Ruby: Intermediate
  - Perl: Intermediate
- Web Technologies
  - HTML, CSS, Javascript, XML
- Document Creation
  - Document preparation with  $\LaTeX$  and the *Microsoft* Office suite
- 3 years Debian Linux administration
- Windows user since 1994
- Very quick learner
- At ease with technology

### PROJECTS

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- Micro Erasmus Compiler 2009-2010
- Adding Unicode support to the compiler and runtime.
- IEEE Montreal Website 2009
- Implemented a data driven web application for an external stakeholder. This system was built using the Java web stack and a Model-View-Controller pattern.
  - Developed the system using an iterative development process and following enterprise application patterns.
  - Worked in a team of 4 people. This project developed my skills with analysis and design artifacts.

- Libyaml++ 2009
- Implemented a YAML processing library in C++.
  - Developed the system using an iterative development process.
  - Worked in a team of 2 people. This project helped me master some C++ idioms.
- Automated Student Scheduler 2008
- Implemented a system to generate student schedules based on program curriculum and previously completed courses. This system was implemented mainly in C++ with some tools written in Perl and C# to pre-process course data.
  - Developed the system using an iterative development process.
  - Worked in a team of 6 people, which required the use of version control.
- Concordia Hospital Simulation 2007
- Implemented an asset and patient tracking system in MySQL and PHP.
  - Worked in a team of 5 people which required strong communication and time management skills.

## **AWARDS**

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- Undergraduate Student Research Award** 2008  
 Natural Sciences and Engineering Research Council of Canada
- Worked on a Natural Language Processing system for question answering, presented at the NIST Text Analysis Conference.

## **EXTRACURRICULAR ACTIVITIES**

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- Team Concordia University Competitor** 2010  
 Québec Engineering Games

- Competed in the Computer Engineering and Dodgeball competitions.

- VP Academic** 2009-Present  
 Software Engineering and Computer Science Society Concordia

- Organised and taught extra curricular tutorials.
- Served as a link between the society and faculty.
- Maintained a database of old exams.

- Team Concordia University Assistant-Coach** 2009-Present  
 ACM International Collegiate Programming Contest

- Prepared team members for the competition
- Handled team logistics such as hotel and car reservations.

- Team Concordia University Competitor** 2009-Present  
 Computer Science Games

- Competed in the Team Software Engineering, Scripting, and Assembly competitions.

- Concordia University Delegate** 2008-Present  
 Canadian Undergraduate Software Engineering Conference

## **INTERESTS**

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- Comparing Vim and Emacs
- Science fiction
- Road trips
- L<sup>A</sup>T<sub>E</sub>X résumés
- Assembling and fixing desktop PCs (hardware)
- Blogs

## **REFERENCES**

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Available upon request