

# James Loewen

University of Waterloo  
3A Computer Science

## Soft Skills

- Adapt easily to new languages
- Excellent time management
- Effective communicator
- Strong leader
- Great problem solver

## Technical Skills

- Java
- C/C++
- C#
- Visual Basic
- Bash
- Python
- Perl
- MySQL
- db2
- hibernate

## Contact Information

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## Work Experience

**Software Developer, Coop**, BlackBerry,

Jan – Apr 2014, Sept – Dec 2014

- Develop sample SOAP client applications in Java, C#, and Powershell
- Maintain large test framework and develop end to end testing suites
- Develop SOAP API calls in a Java server side environment
- Developed select and search capabilities for the BES12 migration capabilities

**Value Engineering Assistant**, Ontario Ministry of Transportation,

May - Aug 2013

- Developed Microsoft Excel and Microsoft Access applications using Visual Basic
- Reworked existing Visual Basic script to execute significantly faster
- Redesigned archiving system and home page functionality for scav-csva.org

## Projects

**Maze Game**, C++ application using allegro graphics library.

- Uses Prim's minimum spanning tree algorithm to generate random maps. Code available on GitHub

**Hierarchical Comparison Tool**, Microsoft Excel Application.

- Implements the Analytical Hierarchical Process to help with weighing relative values in decision making

**ChamberCrawler3000**, C++ dungeon crawler game for CS246 final project.

## Education

**Candidate for Bachelor of Computer Science**, Honours Computer Science Co-op

University of Waterloo, Waterloo, Ontario, September 2012-present

Minors: Combinatorics and Optimization, Religious Studies

Courses

- Operating Systems
- Object Oriented Software Development
- Algorithms
- Data Structures and Data Management
- User Interfaces
- Introduction to Database Management

## Volunteer Experience

**Co-Stage Manager**, Conrad Grebel Productions of Fiddler on the Roof (2015) and Anne of Green Gables (2013)

- Coordinate with directors to organize props, set design, and rehearsal schedule

**Chapel Convener**, Conrad Grebel University College, Sept 2013-present

- Organize weekly chapel services and plan other chapel events for students

**50 Shades of Grebel**, Conrad Grebel University College, Sept 2013-Dec 2014

- Organize themed monthly storytelling evenings

## Awards

**Bronze Medal**, Canadian Computing Competition, May 2012

- Awarded for placing in the top 20 among Canadian high school programmers

**President's Scholarship of Distinction**, University of Waterloo, Sept 2012

- Awarded for an entrance average above 95%

**Dean's Honours List**, University of Waterloo, Fall 2012, Spring 2014

- Awarded for maintaining a term average above 87%

**Dave Regier Student Award**, Conrad Grebel University College, October 2014

- Awarded for significant student involvement with the college