

James Loewen

University of Waterloo
3B Computer Science

Soft Skills

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

Technical Skills

- Java
- C/C++
- Python
- Django
- LESS/CSS
- Bash
- Javascript/Jquery

Contact Information

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Work Experience

Software Engineering Intern, Zanbato, May – Aug 2015

- Responsible for implementing new frontend design features
- Implemented functionality to copy database records including related entities
- Implemented search on structured data for multiple vital core entities
- Researched and suggested methods for implementing data versioning

Software Developer, Coop, BlackBerry,
Jan – Apr 2014, Sept – Dec 2014

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

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

Good Foundation Scholarship, Conrad Grebel University College, October 2015

- Awarded for seeking to contribute in an exceptional way to the college

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