DAVID KNIGHT

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EDUCATION

UNIVERSITY OF WATERLOO   JANUARY 2013 – AUGUST 2015

Honours Bachelor of Computer Science
Software Engineering Option

CONESTOGA COLLEGE   SEPTEMBER 2009 – MAY 2011

Electrical Technician Industrial
Ontario College Diploma

SKILLS AND RELEVANT COURSES

Experience with software development in C++ and Java using various development tools.
Knowledgeable on concurrency, functional programming and object-oriented design patterns.
Excellent understanding of operating systems, algorithms and data structures (CS 350, CS 341, CS 240)
Extensive experience using standard design patterns as well as creating user interfaces (CS 349)
Strong ability to analyze, document and model software requirements using a variety of methods (CS 445)
Comprehensive knowledge of unit and integration tests as well as bug detection techniques (CS 447)

RELEVANT PROJECTS

CHESS GAME   2013
Worked cohesively with a classmate in Object Oriented Software Development (CS246) to create a chess game written in C++ using X11 window system APIs. Actively involved as a team player and collaborated using git source control management software. Modularized source code following best object oriented practices.

BUS DIRECTIONS WIDGET   2014
Developed a Bus Directions widget with a partner in User Interfaces course (CS349), used HTML, JavaScript and CSS. Created widget using the Model-View-Controller design paradigm and the Bing Maps API.

EXPERIENCE

COMPUTER TECHNICIAN   2006 - 2012
I found clients using online advertising and resolved their difficulties in person.
I also ensured customer satisfaction by returning to resolve issues in the future.

MOBILE APPLICATION DEVELOPER   2012 – PRESENT
I designed, developed, and published mobile applications for Android and BlackBerry.
In addition, I have nine mobile applications published in the BlackBerry App World.