Alexandre Boyer

BASc in Computer Engineering

Intelligence is the ability to adapt to change.
S. Hawking

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Education

BASc in Computer Engineering,   **2014–present**
University of Ottawa, Ottawa, *Second year*.
Currently studying full time towards the completion of a BASc in Computer Engineering.

High School Diploma, *Gisèle-Lalonde*, Ottawa,   **2009–2014**
8th-12th.
Graduated from high school with 85 %.

Experience

Security Guard, *Iron Horse Corporation*, Ottawa.   **2015–present**
Professional safeguard of client's property and provider of exceptional client facing communication.
Achievements:
○ Successfully completed the required Security Guard license test.

Security Guard, *Toersa*, Ottawa.   **2015–2015**
Coordinating with team members to preserve security during an event.

Customer Service Representative, *Farm Boy*,   **2013–2015**
Ottawa.
Provide quick and efficient customer service while ensuring the quality of the products.

Languages

French: Fluent written and spoken
English: Fluent written and spoken

Skills

Mathematics:
Very good understanding of differential equations and their solutions.
Calculus and the solving of derivatives and integrals.
Numerical approximations.
Currently taking the class of probability and statistics.
(expected completion date : 05/01/2016)

Computer Architecture:
Profound understanding of the basic computer.
Flip-flop register and memory.
Computer units such as the arithmetic and logic unit, control unit and data path.

Software and Software Engineering:
Very good understanding of the concept of software engineering.
Building software in parallel with a team.
Interact with team members to accomplish given task.
Conform software to customer and system demands.
Data structures including binary search trees, graphs, linked queues, hash tables etc.
Construction and evaluation of algorithms.

Projects

Genetic Algorithm: Developed a java algorithm that solves genetically the N queens problem. It consists of quickly finding the most efficient solution. You can find it and install it here :
https://github.com/ChowderII/Genetic-Algorithm .

Game Development: Developed a mine sweeper game in java. It is complete with a graphical interface. You can find it and install it here :
https://github.com/ChowderII/MineSweeper

Software Engineering Class Mobile Application Project: Classwide mobile application slowly taking shape as all the aspects of software engineering are being studied and mastered. The project revolves around connecting volunteers and charitable organisations together via a client-server mobile application.

Web Development of Private Care Company : Commura:
Participating in a start up company as a web developer. Implementations will include UML diagrams, java script, PHP, and HTML.

Computer skills

Programming Language (Proficient): Java

Programming Language (Experienced): HTML, PHP, C++, VisualBasic.NET

Integrated Development Environment: Eclipse, Android Studio, VisualBasics

Mobile Programming Languages: Java for Android

Microsoft Office: Excel, Word, PowerPoint

Interests

Automotive: Love to learn how systems of automotive are functioning.

Computer Hardware: Passionate about the assembly and comprehension of computer chips.

Computer Software: Currently developing a mobile application for Android.

References

Available upon request