Glenn Hartmann

2B Computer Science

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### SKILLS SUMMARY

* Experience with C++ Script and GUI scripting through a 4-month work term as a Test Specialist at Agfa Healthcare, as well as experience in C#, ASP.NET, Ajax, and CSS through a work term at Sun Life Financial
* Fair experience with several other programming languages including Visual Basic and Java, developed through self study
* Considerable knowledge in Scheme and C, developed through academic study in first and second year Computer Science courses
* Extensive computer knowledge and skills, and eager to learn new material
* Fluent in French

**WORK EXPERIENCE**

**Application Developer,** Sun Life Financial, Waterloo, Ontario, January – April 2009

* Developed functionality for the company intranet portal using ASP.NET, C# and Ajax
* Created dynamic and branded web sites using JavaScript and CSS
* Handled daily issues reported to the Website Support Inbox

**Test Specialist,** Agfa Healthcare, Waterloo, Ontario, May – August 2008

* Designed and developed automated test procedures
* Designed, developed and executed reusable and maintainable automated scripts
* Followed development and testing standards and guidelines

**Community Access Program (CAP) Youth Worker,** Grey Highlands Public Library, Flesherton, Ontario, November 2005 – February 2006

* Maintained computer systems
* Designed and maintained the library website
* Provided computer and internet training, support, and troubleshooting

### EDUCATION

**Candidate for Bachelor of Computer Science**, Computer Science, Co-op Program, University of Waterloo, Waterloo, Ontario, September 2007 – present

**Relevant Assignments:**

**Compiler,** Foundations of Sequential Programming, September – December 2009

* Created a working compiler for a simplified teaching language, WL
* Individually programmed various parts of the compiler in C and Java

**Braun Tree Manipulation,** Elementary Algorithm Design and Data Abstraction, January – April 2008

* Used functional programming language, Scheme
* Implemented several functions involving Braun Trees, including conversions to and from lists

**Binary Search Tree Manipulation,** Elementary Algorithm Design and Data Abstraction, January – April 2008

* Made use of the pointers in the C programming language
* Wrote a program able to create, modify, and search binary search trees

**Relevant Courses:**

* Designing Functional Programs & Elementary Algorithm Design and Data Abstraction
* Algebra and Calculus 1 & 2
* Foundations of Sequential Programming & Computer Organization and Design
* Data Structures and Data Management, Logic and Computation, & Software Abstraction and Specification (currently enrolled)

**Ontario Secondary School Diploma**, Grey Highlands Secondary School, Flesherton, Ontario, June 2007

**Relevant Assignment:**

**Battleship,** Internal Computer Engineering, January – June 2005

* Used Turing programming language to design a graphical Battleship game

#### AWARDS

* 12U Geometry and Discreet Mathematics Proficiency Award, Grey Highlands Secondary School, Flesherton, Ontario, October 26, 2007
  + Gained highest grade in Grey Highlands Secondary School in 12U Geometry and Discreet Mathematics

* Certificat d'Immersion Française Extensive, Grey Highlands Secondary School, Flesherton, Ontario, October 26, 2007
  + Pursued French Immersion courses throughout secondary school

**ACTIVITIES & INTERESTS**

**Crew Head,** Grey Highlands Secondary School Sound and Light Crew, Flesherton, Ontario, September 2005 – June 2007

* Programmed light effects and cues

Programming, video games, electronics, technology, guitar, basketball, and tennis.