# Glenn Hartmann

# 2A Computer Science

# 20266893

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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
* Fair experience with several computer 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

### EDUCATION

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

**Relevant Assignments:**

**Tail-Recursive Insertion Sort,** Designing Functional Programs, September – December 2007

* Wrote a tail-recursive program that implements the insertion sort algorithm

**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 (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

**WORK EXPERIENCE**

**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

**General Store Clerk,** Jolley’s Dairy Bar and Video, Flesherton, Ontario, June – September 2004

* Responsibly opened the store in the morning and closed it at night
* Sold a variety of products and rented out videos
* Conducted general maintenance and tidying

**VOLUNTEER EXPERIENCE**

Macphail Elementary School, Flesherton, Ontario, September 2003 – June 2004

* Helped teachers with computer problems and maintenance

#### AWARDS

* 12U Physics Proficiency Award, Grey Highlands Secondary School, Flesherton, Ontario, October 26, 2007
  + Achieved highest mark in Grey Highlands Secondary School in 12U Physics
* 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
* Ontario Scholar Certificate, Grey Highlands Secondary School, Flesherton, Ontario, October 26, 2007
  + Earned overall grade average of over 80%
* 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.