

# ISAAC GOOD

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## EDUCATION

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- Bachelor of Applied Science and Engineering 2005 – 2009
- University of Toronto, Department of Electrical and Computer Engineering
- Relevant courses: Operating Systems, Algorithms and Data Structures, Introduction to Databases, Computer System Programming, Computer Security
- Annual GPA (second and third year): 3.2

## TECHNICAL SKILLS

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### Programming Languages

- C, C++, OpenMP
- Java/J2ME/J2EE
- OOP
- DB2, MySQL, sqlite
- bash, sed, awk

### Web

- HTML, CSS, XML, SOAP, CGI
- Perl, PHP
- Apache Tomcat, Apache Axis, Apache Struts 2
- Socket programming

### ■ Accomplishments

- Built a C-like compiler
- Built a multithreading Operating System
- Built a memory allocator
- Contributed patches to open source project

### Development Tools

- Eclipse, make
- gcc, gprof, pin
- SVN, CVS, Perforce

### Operating Systems Developed For

- Linux, Windows, Solaris, Palm OS, BlackBerry OS

## RELATED ACADEMIC AND WORK EXPERIENCE

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### OANDA, Toronto, ON

**Software Developer, Summer 2008**

- Designed backend and browser-based frontend of an Event Manager, automating critical, time sensitive operations
- Developed database storage schema to allow maximum storage efficiency and potential for expansion
- Upgraded existing applications to handle new types of data and to flag data inconsistencies
- Built a common backend library for a set of applications and overhauled the applications, ensuring application reliability in the event of implementation change

### Research In Motion, Mississauga, ON

**Software Developer, Summer 2007**

- Implemented a SOAP-based web application for accessing server settings used to aid in development
- Debugged existing code to improve reliability
- Distributed a new version of a tool to multiple teams to facilitate robust testing
- Provided technical support for the tool, helping developers familiarize themselves with the tools
- Leveraged MVC and Apache Struts 2 framework, allowing faster and more extensibility code development

### Artificial Perception Laboratory, University of Toronto

**Team Lead, Summer 2007**

- Coordinated volunteers in carrying out assigned tasks, primarily testing and debugging
- Reported progress to supervisor ensuring the supervisor was kept up to date

### Communication & Design II, University of Toronto

**Software Development Partner, 2007**

- Collaborated building an HTTP server, ensuring readable and robust code
- Documented the project, providing detailed information regarding challenges encountered and decisions made

### Rent Magic, Toronto, ON

**Software Developer, Summer 2006**

- Implemented a server-side interface to a MySQL database, providing access to the data via the Internet
- Designed a PDA based application granting clients access to their data via PDAs
- Developed an API to facilitate fast production of database-oriented PDA (J2ME) applications

## OTHER

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### Extracurricular Activities

- Raised money for disabled children, biking a 50km marathon 2007
- Administered a website for the JESA club 2007

### Hobbies and Interests

- Bicycling, Photography, Chess, Reading SciFi