

Shawn Leslie

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- EDUCATION** *Bachelor of Computer Science - First Class Honors (Co-operative Option)*
University of Manitoba
Focus on Artificial Intelligence, Graphics, Statistics, Graph Theory, Software Engineering, and Discrete Mathematics with electives in Statistics and Anthropology. Obtained a 3.88 GPA.
- COMPUTER SKILLS** *Languages: C/C++, Perl, Progress, J2ME, VBA, JavaScript, PHP, REXX.*
Development Environments and Programs: Linux, Windows, Solaris, OS/390, GCC, Insure++, valgrind, gVim, Latex, Cygwin, Uniface, Sybase.
- EXPERIENCE** *Programmer/Analyst* January 2001-April 2007
Pollard Banknote Limited Partnership (Winnipeg, Manitoba)
- Member of the **Game Generation Department**.
 - Developed algorithms using C/C++ to create encrypted ticket verification data and to assign maximally variable game data to a large set of lottery tickets. Emphasis was placed upon accuracy, flexibility, and extremely quick turnaround times.
 - Developed and installed a C/C++ online multi-site encryption and verification application on IBM mainframes and Linux. Installation, training, and requirements gathering were performed on-site in Iowa and at Hoosier Lottery in Indiana. The application allowed for Point of Sale verification of a product that was previously checked by the retailers themselves and allowed Pollard to offer a new product to our clients.
 - Created a C/C++ object-oriented modular data type for our randomized shuffling routines to increase the efficiency and the accuracy of our workflow.
 - Analyzed ticket data via statistical reports, Perl scripts, and GNU text applications to ensure conformity to specified restrictions and limitations.
 - Created and maintained tools using perl, Unix shell scripts, and PerlTk GUI front ends that increased workflow efficiency.
 - Member of the **Corporate Scheduling Department**.
 - Assisted in conveying the status of data development activities to a company wide audience.
 - Acted as a liaison between software, marketing and manufacturing groups. This involved communicating and brokering with project leaders and managers about the status of software projects, factory throughput, and the importance of these projects to our clients. This role allowed us to maximize the efficiency of our resource allocation from a company wide perspective.
 - Responsible for updating and improving scheduling web applications using Apache, the Progress database environment, JavaScript, and Perl.
- Programmer* January-April, September-December 1999
University of Manitoba (Winnipeg, Manitoba)
- Worked in the **Application Technologies Group**.
 - Projects completed include authoring a script for the migration of JCL to OS/390, creating GUI front ends for database applications using Uniface and Sybase,

refactoring legacy REXX and PL1 applications, and creating tools for analyzing mainframe resource usage using IBM SMF records.

PROJECTS

- Developed and designed a J2ME application featuring an Min-Max powered AI computer opponent and support for Bluetooth multi-player game play.
- Created a LAMP (Linux, Apache, MySQL, and PHP) application for storing information about content on CD-ROM / DVD-ROM media.
- Assisted in two projects offering back-end Java UDP socket connections and MySQL database connectivity for Flash applications.