

Dan Posluns, B. Eng. & Scty.

Bachelor of Software Engineering and Society

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➤ Educational Background

- Graduated McMaster University with Bachelor of Software Engineering and Society
- Graduated from York Memorial Collegiate Institute gifted program as an Ontario Scholar

➤ Computer-Related Skills and Credentials

- Formally trained as a Software Engineer at McMaster University
- Strong problem-solving skills using a wide variety of programming languages and computer platforms
- Experience designing Web applications using HTML, CGI, PHP, MySQL, Flash, JavaScript and more
- Experience and specialized training in the following topics:

Embedded software design	Control systems, Digital/Analog systems
Multithreaded programming with POSIX threads	Multiprocessor programming with MPI
Real-time programming with RT-Linux	FPGA programming with VHDL
Machine-level programming/optimization	Medical image and signal processing, FIR filters, MRI
Mathematically rigorous software design/testing	Theorem proving with PVS
HCI design	Continuous and discrete optimization
Communication systems, encoding and encryption	Algorithm design and selection, with timing analysis
Object-oriented programming (C++, Java, etc.)	Networking architecture and protocols

➤ Computer-Related Experience

AMAZE ENTERTAINMENT INC.

Software Engineer

February 2005 to Present

- Developed video game software to run on modern embedded platforms including Nintendo Gameboy Advance and Nintendo DS, coding in C, C++ and assembly for ARM7 and ARM9 chipsets
- Worked on major release titles for internationally-renowned clients including Disney and Electronic Arts
- Influenced and contributed to ongoing design process, working in teams ranging from 10 to 15 people
- Responsible for meeting deadlines and developing error-free code at commercial quality standards

HUMOR RAINBOW INC.

Software Engineer

May 2004 to February 2005

- Developed and maintained web applications for the company's website, OkCupid.com
- Used C++ with the company's proprietary web server to build efficient and asynchronous remote procedures
- Applied advanced mathematics and statistics to algorithm design, while optimizing code speed
- Built scalable applications designed to run on multiple web servers connecting to multiple database servers

D.A.E. CONSULTING INC.

Contract Software Designer

June 2002 to May 2004

- Contracted software work for Truancy Tracking, a truancy monitoring system used in over 80 high schools
- Responsible for creating an entire system to synchronize and run Truancy Tracking on the PocketPC
- Technologies and languages used included: Visual Basic .NET, XML, XML DOM, JavaScript and SQL
- Developed every aspect of the interface and core, including conversion applications and security features
- Helped redevelop the core schema and interface as a new Web-based application with PHP and MySQL

MCGRAW HILL RYERSON

October 2003 to November 2003

- Designed and developed an employee benefits statement that performed complex queries on data extracted from various proprietary data systems, saving the company up to \$20,000 annually since 1998
- Returned in 2003 to retool both the data acquisition module and the report generator to produce superior, professional-quality pamphlets that greatly exceeded the quality available from other contractors

MCMASTER UNIVERSITY

Learning Technologies Resource Centre Assistant

October 2002 to May, 2003

- Hired as an expert on JavaScript and Web-related technologies for online course development
- Designed an advanced interactive Web-based help system using PHP, MySQL and JavaScript

Teaching Assistant for Computer Science and Engineering courses

September 1999 to May, 2002

- Instructed large tutorial groups (up to 60 students) of engineers; commended for excellent instruction

➤ Management and Entrepreneurship Experience

LITTLE DREAMS THEATRE COMPANY

Owner and Executive Director

June 2001 to August 2002

- Created a volunteer community theatre group
- Designed the company's image and logo, and established its presence in Hamilton
- Successfully produced three shows before retiring as Executive Director in August, 2002

Director, Producer: *Into the Woods*

September to December, 2001

- Initiated and managed the entire production process from script to stage, in what is widely recognized as one of Broadway's most difficult musicals to perform
- Recruited approximately 30 volunteers from the community with varying backgrounds, talents and experience
- Handled licensing, selecting and renting the theatre, arranging space for rehearsal and set construction, etc.
- Arranged funding from corporate sponsorship, personal investment, donations and other sources
- Arranged and designed promotional material in newspaper advertisements, flyers, Web page and posters
- Managed the entire rehearsal process, directing the cast members and inspiring the production's look and feel
- Led set construction, including purchase of building materials, woodwork, paper maché and painting
- Professionally handled any and all production crises that arose
- Designed various print elements such as tickets and programs, and created box office services for the show
- Produced a successful musical that ran for five shows and sold out on its closing night

KETTLEBY VALLEY DAYCAMP

Emergency Response Director

Summer, 2001

- Responsible for developing a comprehensive program for responding to emergencies on site
- Developed a First Aid/CPR curriculum custom-tailored to the camp staff, and implemented it for staff training
- Organized and ran the camp's infirmary and was on-call at all times to handle emergencies
- Filled in other various staff roles on occasion, such as Swimming Instructor, Drama Instructor and Lifeguard
- Developed and ran First Aid-related activities with campers

Aquatic Director

Summer, 1999

- Responsible for scheduling, managing the aquatic staff, and running a comprehensive swimming program
- Initiated new safety standards for the camp, including an aquatic staff manual and accident report forms
- Designed and ran staff training sessions, including a CPR course/First Aid Clinic for the entire camp staff
- Assisted the nurse in handling several onsite basic trauma emergencies
- Developed the initial design of the camp's Web page
- Initiated and contributed to rainy day activities, designing a camp chatbook, plays and sketches, magic shows, etc.

➤ Additional Work Experience

TORONTO DISTRICT SCHOOL BOARD

Summer, 2001 to 2002

- Taught at high schools all over Toronto as an emergency supply teacher
- Subjects taught include: Algebra and Geometry (OAC), Art, Calculus (OAC), English, History and Science
- Taught frequently at Timothy Eaton BTI, a high school for academically challenged students

PARKS AND RECREATION FOR THE CITY OF TORONTO

Summer, 1997 to 2000

- Full-time lifeguard and swimming instructor at outdoor and indoor pools during the summer of 2000
- Supply instructor and lifeguard for pools all over the city, adapting to unfamiliar and unpredictable environments and scenarios

TORONTO BOARD OF EDUCATION SUMMER SWIM

Summer, 1996 to 1998

- Head instructor/lifeguard responsible for and in charge of pool, staff and students in 1998

> Volunteer Experience

- Swim coach and lifeguard of the Toronto Seals Special Olympic Swim Club 1997 to 2004
- Worked with mentally challenged and physically disabled Olympic swimmers
- Theatre Companies and Productions March 2002 to Present
- Stage Manager for *Smokey Joe's Café*, produced by RLA Productions in June, 2003
 - Stage Manager for *Annie*, produced by Brushstroke Entertainment in November, 2002
 - Stage Manager for *School House Rock, Live!*, produced by Brushstroke Entertainment in May, 2002
 - Programme designer for McMaster Drama Club productions, March 2002 to Present
- President of McMaster Emergency Response Public Education Club October 1999 to May, 2002
- Created a McMaster Club dedicated to teaching volunteer, nonprofit First Aid and CPR courses
 - Certified over 80 people in First Aid, CPR, and other lifesaving courses
- McMaster Improv Club December 1999 to May, 2003
- President in 2002/2003, having previously held positions of Vice-President and Secretary
 - Developed an improvised weekly serial soap-opera performed at the campus bar
 - Researched, developed and implemented a rehearsal curriculum for the Improv Team
 - Facilitated both general club meetings and team rehearsals, as well as initiated, organized and ran specialized skill workshops
 - Created the club's Web page at <http://www.macimprov.com>
 - Innovated an improv-based radio show that played in 2001/2002 on local campus radio
 - Member of the Improv Team, organizing and participating in numerous competitions and shows
- McMaster Engineering Society Welcome Week Representative 1999 to 2000
- Official "Lord High Everything Else" of York Memorial C.I. Yearbook 1996 to 1998
- Designed covers using digital imagery
 - Innovated entirely from scratch a computerized receipt system that could edit receipts, run complex queries and print reports
 - Initiated an effective ad campaign unprecedented in the school's history

> Interests, Awards, and Achievements

- Attained Dean's Honour List standing in 1998-1999 at McMaster University
- Awarded scholarships from McMaster University (entrance scholarship), McMaster University Engineering Society (George and Nora Elwin Merit Award), York Memorial Collegiate Institute (A.G. Gillespie Award), and McGraw Hill Ryerson (Pat Vidler Scholarship) in 1998
- Certified instructor of: First Aid and CPR, lifeguarding, aquatic emergency care, swimming, lifesaving
- Also held certifications as a first responder, as a lifesaving examiner and in basic trauma life support
- Author of *What Nathan Learned in University*, a play that won the McMaster Original Works Festival in March 2001, read at Theatre Aquarius in Hamilton, and later produced at the Toronto Fringe Festival
- On-stage performances:
 - Claudius in *Hamlet*, a McMaster Summer Drama Festival production in July, 2003
 - Multiple roles in *Nowhere/Everywhere*, a McMaster Original Works play in March 2002
 - Mr. Kraler in *The Diary of Anne Frank*, produced by Brushstroke Entertainment in 2001
 - Antiochus/Boult in *Pericles, Prince of Tyre*, McMaster School of Arts Major Production in November 2000
 - Mr. Pennybags in *Money for Something and Fun for Free*, a McMaster Original Works play in March 2000
 - Multiple roles in *It's All in the Timing*, a McMaster Director's School play in February 2000
- Designing a game for the Gameboy Advance, viewable at <http://www.danposluns.com/gbadev>
- Designed a program for McMaster students that transforms their schedules into easy-to-read timetables
- Designed an online, interactive roleplaying game, playable at <http://www.danposluns.com/jsrpg>
- Written three great novels that have utterly failed to see the light of day
- York/Etobicoke Swimming Bronze Medalist, 1996
- Enjoy water activities, amateur magic and hypnotism, emergency response, improv comedy, teaching, writing

References available upon request