

Derek Seabrooke BSc, Ryerson University

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dseabroo@electricgenesis.com
<http://electricgenesis.com/>

EDUCATION

Bachelor of Science, Applied Computer Science

2003

School of Computer Science
Ryerson University
Toronto, Ontario

Ontario Secondary School Diploma

1998

Talented Offerings in the Pure Sciences
Marc Garneau Collegiate Institute
Toronto, Ontario

QUALIFICATIONS

- Comfortable using, developing for *all* major computer platforms, including UNIX, Windows, MAC OS
- Experience doing projects in Assembly, BASIC, C, C++, COBOL, Java, at least 20 other programming languages or environment
- Extensive customer service / technical support / call centre experience
- Knowledge & experience with digital signage technologies
- Experience with quality control auditing procedure
- Work for the Web, including HTML / CSS, Javascript / JQuery, CGI / PHP / Perl back ends, Web-based database SQL systems
- Knowledge about digital television, radio technologies, small Internet connected, wireless devices, how they can be integrated, used together
- Quick to learn new applications such as office suites, graphics, design tools, video editors, closed captioning authoring tools, 3-D modeling programs
- Able to quickly navigate between applications, perform many tasks at once
- Designs that work on set-top, hand-held or wireless computers, devices, accommodating disabilities

PROFESSIONAL EXPERIENCE

Computer Consultant, Tutor

2008-present

Electric Genesis Consulting & Research
Toronto, Ontario

- Contracts revolving around software design, implementation
- Computing consultant for small business assessing computing needs, suggesting solution
- Worked with private individuals to eliminate personal computer problems such as ad-ware infestations, virus removal, software installation, removal, configuration changes, suggesting hardware upgrades
- Offered tutoring about computer related topics at basic, intermediate and advanced level

Derek Seabrooke, BSc
Courageous and Whole – as a Scientist, as an Artist, as a Person

Last Updated 04/27/11

Most recent version at <http://electricgenesis.com/>

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System Support Programmer **2010-2011**
QuintinManus Marketing Group
Toronto, Ontario

- Managed Request Tracker 3 ticketing system
- System support for head office workstations running daily data backup
- Designed unattended setup used on over 400 netbooks used for Mastercard applications
- Setup, quality control and trouble-shooting for these netbooks
- trouble-shot bugs in C++ Electronic Mastercard Application
- Evaluated various off the shelf digital signage applications for integration into system
- Offered telephone based technical support for netbooks on field
- Wrote technical manuals and other documentation
- Created deployable field upgrade for netbooks

Freelance Software Developer **2009-2010**
3 2 1 Software Design
Toronto, Ontario

- Designed web pages according to outlines developed by graphic artists using PHP, CSS, & Javascript w/ JQuery extension

Freelance Software Developer **2006-2008**
Schnappz Media
Mississauga, Ontario

- Created end-to-end Digital Signage media-player & content management/delivery system to client's specifications
- Wrote custom C++ scraper program to harvest information from HTML
- Constructed web based data-retrieval system for information about ink-jet & laser printers

Software Engineer, Animator **2003-present**
Fantaplay Entertainment Corporation
Toronto, Ontario

- Developed applications for game development system
- Acted as math, technical consultant for engine development
- Assisted in meetings, managerial decisions made by the company

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Energy Consultant

2006

Universal Energy Alternatives

Toronto, Ontario

- Participated in training course about the current nature of the energy industry in Canada
- Participated in hands-on door-to-door sales experience with actual customers on the field
- Learned sales and marketing techniques applicable to all industries

AOL Technical Support Rep

2005

Technion Communication

Toronto, Ontario

- Took calls directly from AOL members; assisted members with problems concerning their software configuration and dial up connections
- Used trouble-shooting software to diagnose problems and create work-flow to solve errors
- Submitted host problem reports when applicable
- Directed members to other departments or companies when applicable to solve their issue

Research Assistant

1999-2003

Ryerson University

Toronto, Ontario

- Assisted in experimental closed captioning of Discovery's Rocket Science television series
- Aided in the development of closed captioning editor for EIA-708 Closed Captioning Standard for ATSC (North American Digital Broadcast Television)
- Wrote software driver for haptic device – simulating tactile impressions on the feet of human test subjects
- Created a prototype emotive-closed-captioning system, making much superior closed-captioning possible with currently available advanced television technologies
- Managed computer resources
- Assisted clients in the development of product prototypes for advanced-television
- Helped to setup an experimental terrestrial digital television transmitter on the CN Tower
- Assisted in trials of ATSC/8-VSB transmission scheme, a rare North American trial of DVB/COFDM transmission
- Did work in C, C++, HTML, Java, Javascript, Realbasic, Runtime Revolution

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MEMBERSHIPS

- Association of Computing Machinery
- United Nations Association of Canada

INTERESTS

- Cosmology & astronomy
- Manned & unmanned spaceflight
- Science fiction
- Politics & Societies
- Personal growth
- Volunteering