

Daniel R. Agar

CONTACT INFORMATION

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EDUCATION

University of Waterloo

BSc Honours Computational Physics, Computer Science Minor

Sept 2004 – April 2009

- Emphasis on numerical and computational methods in a variety of areas including ordinary and partial differential equations, large sparse linear systems, image/signal processing and other physical simulations
- Computer science courses in algorithms, compilers, databases, data structures, hardware, image processing
- Wide range of courses in applied and theoretical physics, applied mathematics and computer science

TECHNICAL SKILLS

Languages

- Experienced with Python, Java, C/C++, Fortran 77 and 90, SQL, Bash, Qt, Matlab, m68k and MIPS Assembly, Basic, Visual Basic, L^AT_EX
- Comfortable with PHP, Perl

Operating Systems

- Very experienced with GNU/Linux, Windows (3.x, 9x, NT, 2000, XP, Server 2003, Vista, 7) and DOS
- FreeBSD, OpenBSD, Solaris, Mac OS X

Software

- Apache, IIS, MySQL, PostgreSQL, Postfix, Sendmail, LDAP, DHCP, BIND, Samba
- Matlab, Maple, Microsoft Office Suite, OpenOffice.org, Subversion, Git, some AutoCAD experience

EXPERIENCE

Oceanic Consulting Corporation

July 2009 – Present

Programmer

St. John's, Newfoundland

- Wrote numerical simulation software in Fortran 77, 90 and Python
- Optimized and updated legacy fortran numerical code

Imprint Publications, University of Waterloo

Jan 2006 – April 2009

System Administrator

Waterloo, Ontario

- Maintained various Redhat and Debian based servers including mail, file, DNS, LDAP, web servers, domain controller for Windows XP Professional workstations and Linux firewall
- Implemented incremental backup server with web interface for use by employees.
- Provided immediate on site and remote support for workstations and servers for Imprint's employees and volunteers

IBM Canada

May 2005 – Sept 2006

Computer Systems Analyst

Waterloo, Ontario

- Worked in the Manulife Computer Service Center at IBM Canada, providing level 1 and 2 technical support via phone and email for employees in North America
- Supported various issues and applications including Lotus Notes, Citrix connections, Blackberry problems, any kind of authentication problem
- Was involved in technical documentation of Manulife Applications supported by IBM

UHFComm

Sept 2004 – Nov 2007

Linux Consultant/System Administrator
Waterloo, Ontario

- Deployed Redhat Linux based mail and web servers including spam filtering, web based email access, windows domain controller and automated remote backup
- Installed and configured various other Linux applications and desktops for UHF-Comm employees

Johnson Engineering Consultants

Oct 2003 – Dec 2004

System Administrator
Stratford, Ontario

- Built and customized GNU/Linux servers utilizing Apache, PostgreSQL, LDAP, Samba, Bind DNS, Courier-Imap and Postfix mail server with Spamassassin spam filtering, primarily used Redhat and Debian based Linux distributions
- Assembled and maintained Windows workstations
- Transitioned all employees and documents to OpenOffice office suite and various other open source packages
- Implemented Linux thin client workstations and transitioned several employees to full GNU/Linux workstations
- Interfaced Asterisk VOIP server with external providers and existing office phone system

ACTIVITIES/
INTERESTS

- Waterloo Space Society
- Stratford Model Club
- Homemade Unmanned Aerial Vechicals (UAVs)
- Open Source Software
- Stratford Linux Users Group
- Kitchener Waterloo Linux Users Group
- University of Waterloo Debian Interest Group
- Roboticon (Robotics Competition) 2002 & 2003 University of Guelph

REFERENCES

Availabe on request