

Ian D. Allen

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Summary

- Professor of Computer Studies (1996 to present)
Preparation, delivery, and assessment of community-college-level Computer Science courses. (On sabbatical from teaching 2008-06-15 to 2009-06-15.)
- UNIX/Linux® Computer Systems Administrator (1980 to present)
Operating system set-up, networking, security, programming, and friendly support.

Education

- Master of Mathematics, Computer Science, University of Waterloo 1985.
Emphasis on software engineering, debugging, and human/computer interaction.
- Honours Bachelor of Arts (Dean's List), Psychology, University of Waterloo, 1980.
Specialized in counselling and social psychology.

Work Experience

College Professor (1996 to present) <http://teaching.idallen.com/>

Currently developing curriculum and teaching students at the Algonquin College of Applied Arts and Technology. Topics: UNIX/Linux script programming, Linux for programmers, Web/CGI programming, TCP/IP network programming, UNIX/Linux system administration, computer architecture, intermediate C programming (compiler writing), Windows 9x, Visual Basic, IBM OS/390 (MVS JCL).

Network Technical Director (3 years, to 1996) <http://www.ncf.ca/>

Responsible for technical management, design, and programming at the 60,000-member National Capital FreeNet (NCF), Canada's largest community network. Supervised NCF's adoption of WWW and PPP technology under UNIX (SunOS/Solaris).

Research Systems Manager (5 years, to 1993) <http://www.cgl.uwaterloo.ca/>

Responsible for a network of 50 UNIX computers in the Computer Graphics Laboratory at the University of Waterloo. Configured, upgraded, and modified most areas of the UNIX/Ultrix system environment to support academic research. Some real-time message-passing programming experience under the NRC Harmony operating system.

Head of Math User Services (3 years, to 1988) <http://www.math.uwaterloo.ca/>

Supervised a staff of seven student consultants in the Mathematics Faculty Computing Facility at the University of Waterloo. Solved faculty, staff, and student problems on computers ranging from Honeywell DPS-8 main-frames to networked UNIX/Ultrix super-mini's and Sun workstations.

Academic Standings and Scholarships

- MMath: Master of Mathematics, Computer Science, University of Waterloo, 1985.
- BA: Honours Bachelor of Arts, Psychology, University of Waterloo, 1980.
- Canadian Natural Sciences and Engineering Research Council (NSERC) Graduate Scholarship 1981.
- Province of Ontario Graduate Scholarship (OGS) 1982.
- Faculty of Arts Dean's List, University of Waterloo, 1980.
- Faculty of Arts Scholarships, University of Waterloo, 1974 – 1978.

Operating Systems and Languages

Current Unix/Linux Experience

- Many years of experience (1976 to present) with several variants of UNIX/Linux on various hardware and virtually under VMware. This includes:
 - Unix/Linux systems administration
 - X-Windows installation (xdm, xrdb, etc.)
 - Protocols: HTTP, NNTP, SMTP, POP3, etc.
 - Samba, Apache, News, sendmail, postfix, DNS/bind, Shorewall, troff/groff, etc.
 - system and network security; ssh, NAT, firewalls
 - network and communications programming, iptables
 - Unix/Linux kernel configuration and installation
 - C programming, Perl, PHP, Java, CGI, RRDTool, rsync, sh/csh/awk/sed scripting, etc.

Current Microsoft/Apple Experience

- Windows 9x networking and customization; Cygwin UNIX toolkit; Win4Lin; VMware
- Apple OSX (Darwin BSD UNIX) installation and customization

Other Experience

- My past experience, mostly academic, also includes the following:
 - assembler: PDP-11, GCOS, IBM-PC
 - real-time O/S: RT-11, Harmony [NRC]
 - IBM mainframes: VM/CMS, TSO, JES3, JCL
 - Macintosh System 6/7 (MPW C, Hypercard)
 - legacy languages: COBOL, FORTRAN, PL-1, Pascal, ALGOL, SNOBOL, MODULA2, etc.

Miscellaneous Attributes and Skills

- Family: Married to midwife Jan Teevan; step-father to three young adults aged 24 – 29.
- Languages: English, Conversational French, a very little German/Esperanto.
- Leadership training: Context Associated Excellence Series, Mastery graduate.
- Amateur theatre and television: improv performer, director, actor, writer, producer. Board Member of *a Company of Fools* theatre troupe (2007) – www.fools.ca
- Arts: Contact improv dance, calligraphic lettering, posters, layout, digital photography.
- Electronics/Electrical: Hobbyist, X10 (BSR) home automation.
- Music: Piano, guitar, flute, recorder.

Links to this Document

- <http://www.idallen.com/resume/>