Ian D. Allen

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Summary

- Professor of Information and Communications Technologies – 1996 to present
  Preparation, delivery, and assessment of community college Computer Science courses.

- UNIX/GNU/Linux® Computer Systems Administrator – 1980 to present
  Operating system set-up, networking, security, programming, and friendly support.

Education and Certification

- Linux Professional Institute **LPIC-1** 2009 (code ve2pwfp22v at **www.lpi.org**)

- Master of Mathematics (MMath), 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.

Selected Work Experience

Community College Professor (1996 to present)   **teaching.idallen.com**

> Developing curriculum and teaching students at the Algonquin College of Applied Arts
> and Technology. Current topics at **teaching.idallen.com** include: introduction to
> UNIX/GNU/Linux system administration, UNIX/GNU/Linux script programming. Prior
> topics: UNIX/GNU/Linux for programmers, Web HTML and CSS, Web CGI programming,
> TCP/IP network programming, computer architecture, intermediate C programming
> (compiler writing), Windows 9x, Visual Basic, IBM OS/390 MVS JCL.

Network Technical Director (3 years, to 1996)   **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)   **www.cgl.uwaterloo.ca**

> Responsible for a network of 50 UNIX/Ultrix 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)   **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/BSD/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

- Decades of experience (1976 to present) with several variants of UNIX/GNU/Linux
  operating systems on various hardware platforms 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
  - Perl, PHP, CGI, HTML, CSS, C programming, rsync, bash/sh/csh/awk/sed scripting, etc.

Non-Unix Experience

- Some Windows 9x, XP networking and customization

- Windows Cygwin UNIX toolkit; Win4Lin; VMware

- Minor Apple OSX (Darwin BSD UNIX) installation and customization

- My past experience, mostly academic, also includes the following:

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

Miscellaneous

- Family: Married to retired midwife Jan Teevan; step-father to three young adults aged 33 – 38.

- Languages: English, Conversational French, very little German and even less Esperanto.

- Leadership training: Context Associated Excellence Series, Mastery graduate.

- Theatre: amateur actor, improviser, director, writer, producer.

- Arts: Contact improv dance, calligraphic lettering, posters, layout, digital photography.

- Electronics Hobbyist, X10 (BSR) home automation.

- Music: Piano, guitar, flute, recorder.

Links to this Document

- `www.idallen.com/resume/`