Experience Descriptions

In the Winter 1996 semester at Vanier College I was an Internet Coach in their Learning Centre (coordinated through Judy Macdonald). This involved tutoring individuals or small groups (up to 3 students at a time) in the use of Internet, particularly on search engines and research tools.

At the University of British Columbia (UBC) in the Winter 2001 semester I was one of two TAs assigned to the course Introduction to Scientific Reasoning. My responsibility was holding a "make up" session for students who had missed online quizzes during their regularly scheduled class time. This involved setting passwords to access parts of a WebCT site, insuring functioning of computers, and making sure students were familiar with their operation. I worked with Instructor Leslie Burkholder and fellow teaching assistant Amit Hagar on this.

At Carnegie Mellon University (CMU) from Fall 2001 to Winter 2003 I was employed by the department of Philosophy as a web design and maintenance consultant. This position involved assisting faculty, staff and students with the operation and use of Dreamweaver to design and maintain professional pages. It also involved editing and maintaining existing pages for both the department and its Center for the Advancement of Applied Ethics (CAAE). On this project I reported to Professor Robert Cavalier of CMU's CAAE.

At CMU from Winter 2002 to Winter 2003 my responsibilities enlarged to include development of two online courses and their maintenance. The first course, the award-winning Ethical Issues in Professional Life, involved my obtaining new and revised content from the other team members, integrating it into an HTML/CSS environment and providing consultation on materials suitable for a web course on this theme. I also assisted one of the team members with web searches for materials to link to in the course, and redesigned part of the existing navigation and interface material on the site to enhance accessibility to low-bandwidth users. These online course materials function as a textbook supplement or replacement. This project was done in collaboration with Professor Peter Madsen and a fellow graduate student.

The second online course involved the Carnegie Proof Tutor/Valid materials for the course Introduction to Logic. This course is a self-paced logic course also developed in house at CMU and functions both as the students' primary instructor and their textbook. During the summer of 2002 I was on the team responsible for updating the CPT side's text, entering proofreading changes suggested by other team members into the XML files used to build the pages. I also marked up many logic problems to be used with Valid, the proof checker for first order logic and related areas that accompanies the program. This task also required the use of XML and CVS. This was was accomplished in collaboration with two co-workers in the Laboratory for Symbolic and Educational Computing.

I also assisted in maintaining the CAAE computers during the Winter 2002-Winter 2003 period, doing first-tier technical support as well as ensuring that pages and other resources were available on our Windows 2000/IIS and Linux servers. User machines for which I was responsible included three Macs with MacOS X, and two Windows XP machines. I assisted also in keeping track of the CAAE's software library, lending out software to students and faculty as needed. I also worked with colleagues in other computing resources available at the university to ensure safety of data and stability of our machines. This enabled the continued development, and stability of the new deliberative democracy applications being deployed and created at the CAAE. Here, I worked with Robert Cavalier and Elizabeth Style, as well as other Deliberative Democracy team members.

As a teaching assistant in Fall 2002 and Winter 2003 for Minds, Machines and Knowledge (with Professor Teddy Seidenfeld) and The Nature of Language (with Professor Carol Tenny and a fellow TA), I received student papers by email, maintained a Blackboard site for the first course, answered student queries about course material by email, assisted the instructors of the respective courses with computing

infrastructure such as making materials available for download, scanning, etc. I was also responsible for a video presentation in The Nature of Language when the instructor was not available for lecture.

Skills
Computer programming languages (formally taught): C, Pascal, LogoWriter, Scheme, 680x0, 80x86 and MIPS family assembly languages, Java, Oracle SQL, ML, Verilog, .
Comptuer programming languages (self taught): BASIC (traditional and modern), JavaScript

Computer applications, standards and operating systems (self taught): Mac OS, Windows, Unix; HTML (in particular, Dreamweaver), Microsoft Office, AppleWorks, SuperPaint, FileMaker Pro, XML, iMovie, Fireworks. I routinely use Mac OS (both < X and X), Windows, Unix, Dreamweaver, AppleWorks.

(I have studied the basis of operating systems and networking in a computer systems course, however.)

Courses in Computing
McGill
308-202 Introduction to Computing I
308-203 Introduction to Computing II
308-273 Principles of Assembly Languages
308-302 Programming Languages and Paradigms
308-420 Files and Databases
308-421 Introduction to Database Systems
CCE: Network Infrastructures I
CCE: Network Infrastructures II

UBC
CPSC 421 Theory of Computing

CMU
15-211 Principles of Programming I
15-212 Principles of Programming II
15-213 Introduction to Computer Systems
18-347 Introduction to Computer Architecture

Other Relevant Training/Experience
CCNA (2005)
M.S., Logic and Computation, Carnegie Mellon University (2003)
Review of Routledge Encyclopedia of Philosophy Online 2.0. Teaching Philosophy, (2003).
Attendee, Eberly Teaching Center Workshops (2003)
Attendee, Integrating MacOS X on Campus Seminar (2002)
Presenter, Computing and Philosophy Conference, Carnegie Mellon University (2002)
Attendee, Teaching and Academic Growth Seminars (2000)
Attendee, MacHack Developers Conference (1996,1997)
B.A. Minor, Computer Science, McGill University (1999)