

**Robert E. McCart**  
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## Skills

### Web

- Development of video sharing, education and business content using ASP, Cold Fusion, Flash, JavaScript, SQL, CSS, Visual Studio, Dreamweaver, Adobe Photoshop and ImageReady

### Multimedia

- Development of educational content using Tribeworks iShell, QuickTime VR, and Adobe Photoshop, Adobe ImageReady and Adobe FinalCut Pro
- Capture of photographic, video and sound media

### Instructional Design

- Creation of instructional strategies and design documents
- Design and development of content for university and high-tech courses
- Creation of SCORM compliant courseware with Aspen LCMS and Dreamweaver

### Project Management

- Management of development and delivery of 30 web-based university courses
- Management of development of instructor-led, web-based and CD-ROM-based courses

## Related Experience

### Web Development, 2005 – 2008

- Development lead for ASP-SQL based video sharing web site
- Front end developer for ASP-SQL based online university
- Designed and developed CSS and Flash based business web sites
- Updated a Cold Fusion incident tracking and reporting application

### Instructional Design – Cadmian Inc., 2002 – 2006

- Developed instructional strategies and design documents for instructor-led, web-based and CD-ROM-based courses
- Created SCORM courseware with Aspen LCMS, Dreamweaver, Flash, and XML
- Developed project plans and managed course development life cycle

### Multimedia Development - Quebec Learners' Network, 2002

- Developed CD-ROMs for program marketing
- Captured and edited video material from QLN conferences
- Created media with PowerPoint, Adobe Photoshop, Final Cut Pro and Sound Edit

### Multimedia Development - Resort to Work, 2002

- Developed CD-ROMs of conference proceedings, including video and source material
- Implemented with DreamWeaver, Adobe ImageReady and Final Cut Pro

### Multimedia Development – Digital Frog International, 2001-2002

- Designed and developed interactive educational CD-ROMs for high-school science students
- Captured photographic, video and sound media
- Used Tribeworks iShell, Photoshop, QuickTime VR, Adobe Photoshop and Flash

# Robert E. McCart

## Database Interface for Web – University of Guelph, 2001-2002

- Designed and developed a web interface for course and client information tracking
- Implemented with Cold Fusion, SQL database, JavaScript, and HTML

## Course Development – University of Guelph, 1997-2001

- Managed and participated in the development of 30 web-based courses
- Used Cold Fusion, Dream Weaver, JavaScript, and CGI/Pearl for capturing, summarizing, and presenting course information

## Software Development – Peat Marwick, Alphatext, Simware, 1981- 1988

- Acquired a working knowledge of C, Cobol, Fortran, PL/1, while working as a software developer in applications such as computer communications, database management, and financial systems

## Other Experience

### Project management, University of Guelph, 1999 - 2000

- Managed a team of in-house and contract workers developing and delivering multimedia distance education material

### Project management, Simware Inc., 1987 - 1989

- Managed a team of software developers designing mainframe – PC communications software for MVS and VM environments

### Course Instruction, University of Guelph, 1997 - 2000

- Taught three semesters of a fourth year ecology course both in-class and on-line

## Education

### ***Bachelor of Science***

Computer Science, University of Ottawa 1977 – 1980

Course work included operating systems, programming methods, and use of several programming languages including Fortran, PL/1, Cobol, Pascal, and Assembler.

### ***Bachelor of Science***

Environmental Biology, University of Guelph 1990 – 1994

Thesis on comparisons between rehabilitated and degraded stream areas based on invertebrate indicator species. Coursework focused on forest ecology, aquatic biology, insect systemics, pesticide dynamics, and soil science.

### ***Master of Science***

Forest Ecology, University of Guelph, 1994 – 1997

Thesis on the quantification and qualification of particulate and dissolved organic carbon movement from terrestrial to aquatic ecosystems. Worked within a multidisciplinary project studying forest-lake interactions within a Boreal forest.