

# MIKE KOWALSKI

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## SUMMARY OF SKILLS

- **Analytical:** developed software and web sites in a variety of sectors; formally tested commercial software applications; implemented and analyzed a variety of artificial intelligence schemes.
- **Problem Solving:** researched and deployed network security tactics; diagnosed and resolved computer hardware problems.
- **Communication:** conducted presentations for course projects and seminars; implemented instructions from director/producer during filming of fast-paced live television shows; negotiated and implemented requirements specifications in various web and software projects.
- **Writing:** prepared novel essays and technical reports for courses; prepared documentation for software projects.
- **Organizational:** administered and maintained computer systems; conducted extensive research for course projects and essays; organized group meetings for course projects; attended to multiple simultaneous technical support requests.

## COMPUTATIONAL KNOWLEDGE

- **Programming Languages:** Java, C, C++, MATLAB, Visual Basic, COBOL, FORTRAN, HTML / XHTML / XML / XLink / XSLT / CSS
- **Operating Systems:** Microsoft Windows Vista/NT/2000/XP/9x, DOS, UNIX, GNU/Linux (various distributions), MacOS
- **Software Packages:** Various common office applications, audio/video/image editors, software development tools, network communication tools, system administration tools, and geographic information systems
- **Artificial Neural Networks**
- **Artificial Intelligence**
- **Artificial Life**

## HEALTH / MEDICAL / BIOLOGICAL KNOWLEDGE

- **Diagnostic Technologies:** MRI, fMRI, PET, MEG, EEG, SPECT, TMS, Optical
- **Cognitive, Affective, & Behavioral Neuroscience, Neurodynamics**
- **Human Nutrition, Human Memory, Neurophysiology**
- **Evolutionary Psychology, Genetics, Cognitive Development**

## EDUCATION

2004-2007

**Honors Bachelor of Arts**, University of Toronto

Specialist: Cognitive Science

Related Courses: Cognitive Neuroscience, Neural Networks, Human Memory, Thinking & Reasoning, Vision, Minds & Machines, Consciousness & Objectivity

1997-2003            **Bachelor of Computer Science (Co-op)**, University of New Brunswick  
 Minor:                    Environmental Studies  
 Relates Courses:        Operating Systems Principles, Programming  
    Languages, Software Engineering, Systems  
    Analysis & Design, Politics & Technology

## RELEVANT EXPERIENCE

- 2001                    **Developer/Test Engineer**, MobileQ Canada Inc, Toronto, ON.
- Developed and maintained the company's primary software product (XMLEdge) as part of the core engineering team.
  - Prototyped new software features.
  - Tested mobile devices on new software releases in a fast-paced, deadline-sensitive production environment.
  - Supervised and monitored daily builds.
- 2000                    **Information Systems Assistant**, Mathis Instruments, Fredericton, NB.
- Researched and implemented enhancements to network security and functionality.
  - Supported employees' technical problems and concerns.
  - Performed web site updates and improvements.
  - Administered and maintained a GNU/Linux system.
  - Performed data entry and database administration.
  - Maintained and monitored system backups.
  - Implemented hardware and software upgrades.
- 1999                    **Research Assistant**, University of New Brunswick, Faculty of Forestry and Environmental Management, Fredericton, NB.
- Assisted in the development of a commercial forestry application.
  - Wrote, analyzed, and ported algorithms; maintained supporting documentation.
- 1999                    **Assistant Technical Support Analyst**, New Brunswick Department of Education, Fredericton, NB.
- Maintained existing computer systems; installed and configured new computer systems.
  - Performed various software installations and upgrades.
  - Cleaned computer systems of viral infections.
  - Provided technical support to department employees.
  - Analyzed and diagnosed computer hardware problems.
  - Administered department servers.
- 1998                    **Web Developer**, New Brunswick Department of Education, Fredericton, NB.
- Developed and maintained department web sites (both Internet and Intranet).

- Communicated with department employees to assess web content and functionality requirements.

## **CERTIFICATIONS**

2002

- Beginner's Photography, NBCCD.

1999

- Introduction to ArcView GIS, ESRI Virtual Campus.

## **OTHER AREAS OF INTEREST**

- Physics, Geology, Biology, Astronomy, Cosmology
- Space & Planetary Sciences, Cybernetics & Robotics, Cryonics
- Forest Ecology, Ethnobotany, Pharmacognosy, Ecopsychology
- Philosophy, Neurophenomenology, Consciousness, Metaphysics
- Complex Non-Linear Dynamic Systems Theory, Self-Organization & Emergence, Psychoneuroimmunology
- Nanotechnology, Future Studies, Informatics, Epigenetics

## **MEMBERSHIPS**

2009-present

- Eastern Native Tree Society

2008-present

- Conservation Council of New Brunswick

2004-present

- UofT Cognitive Science & AI Student's Association

1999-present

- SETI@Home

1999-present

- National Geographic Society

1999-2003

- Royal Astronomical Society of Canada

## **ACTIVITIES**

- Running, Biking, Camping, Hiking, Swimming, Yoga.
- Playing Guitar, Cooking, Photography, Reading, Film.