

RESULTS FOCUSED COMPETENCIES: providing focused results across many roles:

Systems Analysis, Design & Implementation, Product Development; Expert in Object Design and Performance Optimization of systems. Technology Problem Solving, Expert Diagnosis & Debugging, Resolution, and Second Level Developer Tech Support; Technical Writing, Documentation & Business Reports; Business Technology Coordination, Communication; Team Leading and Peak Performance Coaching & Mentoring; Review of Patents & Software Designs; Led and directed multiple major projects ranging from Fortune 100 corporations to innovative start-ups; Works well in start ups and established organizations.

Memberships: Lifetime member of the **Association for Computing Machinery** (ACM.org).

Professional Papers/Presentations: Presented the **Value and Result Focused (Software Design) Process** (VRFP) paper at the **Smalltalk Solutions Conference**, July 2003, in Toronto, Ontario, Canada.

Awards: Won the Consumers Electronic Show's "Best Hybrid Video Game Award", 1985, for "Gemstone Warrior".

WORK EXPERIENCE:

Active Information Corporation, Vancouver, BC, 1987 – Present; owner;

Independent Consultant for Systems Architecture, Systems Analysis, Systems Administration, Software Engineering, Product Design, Team Lead, and Executive Level CTO.

- Successfully lead or directed multiple major projects, in the USD\$2,000,000 to USD\$5,000,000+ dollar range for companies ranging from Fortune 100 corporations to innovative start-ups.
- Continuing development of the ZokuTalk™ language (variant of Smalltalk & Lisp) scanner, parser & compiler.

Technologies Development Corp. Vancouver, BC, Client, Systems Analyst, Senior Developer((January 2008- current)

- Server back-end and web front end; Python; Squeak, Pharo, Node.js, Javascript, Bash, Csh, Tsh, Command Prompt, Power Shell(s), C++, C, Win API, UWP library, C++AMP GPU speed extensions, OpenCL, C RT, 6502, X86 & X64 Assembly, Java; plus over 50 more computer languages. Many programs on Unix, Windows & Mac.
- HTML, CSS; Elastic Search; Nutch, Scrappy, Zen Rows, Crawlers, Celery; Redis & Relational DBs; Linux, FreeBSD, Windows., many server programs, programs and tools as well IDE's, Visual Studio, GIT, Open Source.
- Built three Video Players from scratch; 4K+ video;
- Restoring & reworking propriety video compressor/decoder from 1990 in raw X86 to C, C++ & X64, expanded from 640p to achieving 4K/2160p in June 2013 in less than a year after 4K became a TV Standard in Sept 2012.
- Oversaw & managed a development team of 12 developers and the product manager providing guidance and direction as well as business advise for interacting with the end client. Large-scale w/24 GIT Repositories.
- Developed a Mobile Blackberry phone application using the Blackberry Eclipse Java IDE tool set.
- Many more projects including a lot of Unix servers, networking admin, security. What ever needed to be done.

Geico Casualty Insurance Companies, Washington, DC, Systems Analyst, Triage Team Lead, April 2006 - June 2007.

Progressive Insurance, Cleveland, OH, Systems Analyst, April through August 2005.

Condor Rebar, Vancouver, BC, Systems Architecture Consultant, Systems Analyst, Bridges & Rebar, 1998 March – Aug 2003.

Fannie Mae, Washington, DC, Design Consultant and Technical Mentor, Fall 1997 through Spring 1998.

Deluxe Corporation, Shoreview, MN, Software Engineer and Systems Analyst, Fall 1995 – Spring 1996.

JP Morgan New York City, NY, Wall St, Computer Systems Engineer, Systems Analyst, Sept 1992 - June 1993).

Synaptic Knowledge Engineering, Vancouver, BC, AI Software Engineer; 1987-1988, 1989-1990.

Paradigm Creators, Inc., Vancouver, BC, Video Game Designer and Engineer, 1982 -1987.

CAD SYS Edmonton, AB, & Vancouver, BC, Minicomputer Systems Administration, 1977 -1987

EDUCATION:

Diploma in Systemic Neuro-Linguistic Programming with a specialty in Systems Analysis from Erickson College (Vancouver, BC, Canada) recognized by USA Immigration for NAFTA TN1 visa with **B.Sc. of Computer Science equivalence**

- **TN1** visa approved in **2007** for Precision Systems Design client Geico Casualty Insurance Companies, Washington, DC.
- **TN1** visa approved in **2006** for Precision Systems Design client Geico Casualty Insurance Companies, Washington, DC.
- **TN1** visa approved in **2005** for Precision Systems Design client Progressive Insurance, Cleveland, OH.

Equivalent of Bachelors Degree in Computing Science recognized by USA Immigration for H1B visa.

- **H1B** visa approved in **1997** for Object Systems Group client Fannie Mae, Washington, DC.
- **H1B** visa approved in **1995** for Source Consulting client Deluxe Check Printing, Minneapolis, MN.
- **H1B** visa approved in **1992** for RMS Computer client JP Morgan, New York.

BCIT University, BCIT Business School

- **BCST 1002 – The Music Business: The Essentials**, 2016 winter semester.
- **BCST 1003 – The Music Business: Advanced Marketing & Entertainment Law**, 2016 spring semester.

Autodidact Life Long Learning of Advanced Subjects

- Peter has a **life long dedication to learning** and is always advancing his knowledge of computer science, programming language design, parsing, compilers, compression, systems analysis, electronics, both analog and digital as well as FPGA and other chip technologies, math, physics, biology, gardening, music, music theory, and so many other topics.
- **Keeps up with current computer technologies** including advanced algorithms and their design, of considerable interest are the “artificial intelligence” algorithms and how to make use of GPU and FPGA as well as analog and digital electronic computers to solve complex problems.
- **Has participated in numerous workshops and seminars** in human communications methods and approaches, with over twenty five diverse instructors, including Neuro-Linguistics, coaching, therapy, hypnosis, communication for action, expert performance modeling, etc....
- **Very interested in successful product design**, market analysis, manufacturing production, and has extensive CAD/CAM skills and experience, has also developed multiple products.
- **Learning is a passion.**