CARL ERIC CODÈRE
865 d'Isère Avenue
Saint-Lambert, J4S 1Z6
Québec, Canada
E-mail : cecodere@yahoo.ca
Telephone : (514) 965-2177 (Canada)

QUALIFICATIONS

- Fluently bilingual (French, English) including two years full time studies at an english college to obtain a college degree in science
- General knowledge of microprocessors and micro-controllers including more indepth knowledge and experience with Motorola and Intel products
- Knowledge and experience with major software and operating systems (DOS, UNIX, Windows NT) as well as with their specifications, architecture and operating modes. This includes main realtime operating systems (VxWorks, QNX and eCos)
- Indepth knowledge and experience with PC hardware components and peripherals
- Knowledge and experience of programming languages in particular C, Pascal (Delphi), Assembler, C++, JAVA, HTML and SQL
- Knowledge and experience in the design and testing of software applications, system compilers and electronic products.
- Indepth knowledge and experience of asset and metadata management and archival formats.
- Knowledge of international standards such as POSIX, Common criteria, ISO 7816, IEEE 1394, Dublincore.

STUDIES

1994 – 1998   Université de Sherbrooke, Sherbrooke (Québec)

Bachelor degree in electrical engineering, internship program

1992 – 1994   Champlain Regional College, Saint-Lambert (Québec)

College diploma in science

1987 – 1992   Collège de Montréal, Montréal (Québec)

High school diploma in science

WORK EXPERIENCE

Gemplus Inc., Ile-des-Soeurs (Québec)   2006 –

Embedded software development on SIM cards for CDMA and GSM mobile phones.

Thevco Inc., Saint-Hubert   2004 - 2005

Application and device driver development under the eCos RTOS for a complete industrial alarm system that includes environmental sensors. Development in C, Assembler using the GNU toolchain (under Eclipse).

Gemplus Inc., Ile-des-Soeurs (Québec), **Gemplus Inc**.,Gémenos, France   2000 – 2003

Embedded operating system development and design for Smartcards (Java based smartcards, and Windows for smartcard development) in particular implementation and design of the Java virtual machine and the memory manager. Development was done on Intel 8051, MIPS, and Infineon SLE88 CPU's.

Informission Inc., Dorval (Québec)   2000

File system API implementation under VxWorks for PPC using TrueFFS.Informission Inc.

Sederta Inc., St-Laurent (Québec)   1999

Network administrator and device driver writer for IEEE-1394 peripherals under Windows NT using Visual C++.

CML Technologies, Hull (Québec)   1997 - 1998

Design and testing of R&D systems using the Pascal, Assembler (Intel 8051) and Visual C++ programming languages for TCP/IP software products and communication protocols.

Industry Canada, Ottawa (Ontario)   1996 - 1997

Development of software applications using Borland C++ for managing radio broadcasting spectrum wavelength bands for the spectrum general directorate.

Saint-Lambert Bridge Club, Saint-Lambert (Québec)   1994

Development of a software application to manage the activities of the Bridge Club (Borland Pascal using Turbo Vision).

PROFESSIONAL ASSOCIATIONS

- Member of the Institute of Electrical and Electronics Engineers (IEEE)

SCHOLAR AND EXTRACURRICULAR ACTIVITIES

2004 -	Creation of a software (in Delphi) that permits automatic extraction of metadata from files. Creation of an information website and file formats and its associated metadata.
2005	Brainbench certification in Delphi, C and Assembly programming
2003	Five day course on UML by Sun Microssystems.
2001	Three day course on the Java programming language given by Sun Microsystems.
2000	Two day course on Atmel AVR core processors and embedded development tools for

such processors.

1998	Design, development and testing of a plotter displaying the electrical characteristics of FET, NPN and PNP transistors as well as diodes; final year electrical engineering project at the University of Sherbrooke
1996-2002	Design and development of a Pascal compiler (Free Pascal Compiler) for Motorola processors and improvement of the Intel version of this compiler; international interest work group on Internet
1995-1996	Secretary of the Executive Committee for the IEEE student chapter at the University of Sherbrooke
1996-1997	Initiator and member of the financing committee of the first Silicon Valley project at the University of Sherbrooke enabling 24 engineering students in August 1997 to visit companies in Silicon Valley.
1995	Creation of my own Web site on Internet
1990-1991	Co-chair of the Chess Club at Collège de Montréal.

OTHER ACTIVITIES AND AREAS OF SPECIAL INTEREST

Reading, computer languages. Electronics, microprocessors, micro-computers, swimming, tennis, arts and philosophy, Magic:TG.