

John-Paul Costales

4222 Portland Street
Burnaby, BC Canada V5J 2N2
E-mail: jcostale@alumni.sfu.ca
Phone: (604) 432-1414

Employment

*August 2003-
June 2005*

Software Engineer

RST Instruments Ltd, Coquitlam, BC

- Developed a geotechnical, data reduction, analysis software program in MS Visual C++ for a digital inclinometer system
- Responsible for all aspects of the digital inclinometer analysis software project including development, testing, maintenance and documentation
- Developed a WindowsCE host program for a single channel vibrating wire data logger in MS embedded Visual C++
- Provided customer support for released software

*July 2003 –
August 2003*

Technical Support

eBay Canada, Burnaby, BC

- Provided customer support for the eBay United Kingdom website including general support and billing inquiries

*January 2001-
August 2001*

Systems Engineer

Conexant Systems Inc, Newport Beach, CA

- Developed a fully automated Test Suite for the Conexant 2.5G GSM/GPRS Cellular Systems 5-chipset solution
- Created a C++ based GUI software/firmware program, developed a software design document and user manual and performed testing
- Performed GSP/GPRS development board mixed signal testing

*May 2000 -
August 2000*

Software Developer

Sierra Wireless Inc, Richmond, BC

- Developed a feature software program in Visual C++ for the CDPD MP200 wireless modem that was able to connect to several modems simultaneously, monitoring port status and other vital information
- Provided CDPD product customer support for firmware upgrades

*August 1999 -
December 1999*

Embedded Software Engineer

Philips Semiconductors, Richmond, BC

- Tested CDMA Semiconductor chips for compliance of the TIA/EIA IS-95A Standard via WTS on Philips CDMA evaluation boards
- Performed CDMA software regression tests, documented evaluation board test procedures and generated test result report cards

*January 1999 -
April 1999*

Systems Security Support

Ministry of Human Resources, Vancouver, BC

- Maintained information systems security within the Ministry of Human resources and Ministry of Children and Families
- Provided help-desk support and maintained government systems

Education

- Spring 2003* **Bachelor of Applied Science - Honors**
Computer Engineering Major
Simon Fraser University, Burnaby, BC
- Summer 2002* International Student Exchange
Monash University, Melbourne, Australia

Skills

- Software*
- Extensive programming experience with .NET, C and C++
 - Experience with Visual Basic, VB Script, and Assembly languages
 - Familiar with procedural and object-oriented programming
 - Knowledge of software design for real-time and embedded applications
 - Experience with MS Word, Excel, Visio, PowerPoint, and FrontPage
 - Familiar with UNIX, DOS, and Windows Operating Environments
- Wireless*
- Familiar with analog and digital communications systems
 - Experience with testing GSM, CDMA, and AMPS cellular chipsets
 - Knowledge of GSM/GPRS cellular technology and standards
 - Experience with Wireless CDPD Modems and related technologies
 - Familiar with physical layer design issues including digital modulation techniques, error control coding and error performance in noise
- Hardware*
- Knowledge of TCP/IP Internetworking concepts and related protocols
 - Familiar with programmable HP8924C, HP Spectrum Analyzer and Power Supply and related GSM, CDMA and AMPS cellular testing equipment
 - Competent with VHDL design, testing and simulation
- Other*
- First Aid and CPR Training
 - Public speaking and teaching skills
 - Typing: 70 wpm

Interests

- Electronics*
- Designed and built an E-mail Phone prototype. The “Phon-e-Mail System” allow blind and visually impaired individuals to receive, compose and send e-mail messages via a touch-tone phone.
- Sports*
- Trained in WTF Taekwondo – blue belt level. PADI certified advanced open water diver. Avid skier and former first aid ski patrol volunteer. Enjoy playing tennis and volleyball.
- Music*
- Enjoy listening to many different types of music including hip-hop, R&B, and jazz. Former saxophone instructor.

Details

- Willing to Relocate
- References Available Upon Request