Anthony Wong
2B Software Engineering
http://a-wong.net/
awmwong@gmail.com
Please e-mail for other contact information

SKILLS SUMMARY

- Able to quickly troubleshoot and diagnose problems with operating systems and applications
- Strong knowledge of programming fundamentals, developed through 5 years of computer-science related courses
- Familiar with locating and organizing information using appropriate technology and information systems
- Able to work independently as well as interdependently with others and accept supervision when needed
- Exceptional communication skills; fluent in English and Cantonese

COMPUTER PROFICIENCY

- Programming Languages: C# (.NET), C++, Java, C99, Coldfire ASM, MIPS ASM, SQL, MySQL; some experience with PHP, HTML

- Operating Systems: Microsoft Windows (all versions), Mac OSX; working knowledge of Ubuntu Linux

- Applications Software: Microsoft Office Suite, Adobe Flash, Photoshop, SVN, JIRA, Crystal Reports

- Editors: Microsoft Visual Studio, Eclipse

EDUCATION

Candidate for Bachelor of Software Engineering, Honours Software Engineering, Co-operative Program, University of Waterloo, Waterloo, ON, Sept. 2009 - present

Relevant Assignments:

C Compiler, Foundations of Sequential Programs
- Built a compiler for a subset of the C language (WL)
    - Wrote a scanner, parser, and generated MIPS assembly code (in Java)
- Acquired experience in parsing and knowledge of context-free grammars

LEGO Robot Project, Introduction to the Methods of Software Engineering
- Programmed a LEGO robot project to navigate through a map of colors
- Acquired experience in programming robotics; wrote code that incorporated the use of sensors
- Acquired knowledge of project planning, scheduling and management

Relevant Courses: Foundations of Sequential Programs, Introduction to the Methods of Software Engineering, Programming Principles, Digital Circuits and Systems, Digital Computers, Logic and Computation, Functional Programming and Data Abstraction

Alberta High School Diploma, John G. Diefenbaker High School, Calgary, AB, June 2009

- Received honours for academic excellence for all 3 years

WORK EXPERIENCE

Programmer / Analyst, Trapeze Software Inc., Mississauga, ON, Jan. 2011 – Apr. 2011

- Returned for second work term with the INOVAS team
- Developed proprietary media player using the DirectShow library
- Tasked with database management and reporting through SQL Server and Crystal Reports
- Enhanced program functionality with Excel automation using COM objects

Programmer / Analyst, Trapeze Software Inc., Mississauga, ON, May 2010 – Aug. 2010

- Worked closely with the Lead Developer in implementing new features and bug fixes to the INOVAS product, most of work done in C#
- Significantly improved the core UI aspects of the product; implemented a "ScreenPanel" control that allowed for modularity of the UI and improved overall aesthetics
- Prepared the product to be localizable and assisted in the first localization to the German language
- Created dynamic reports for statistical data stored in SQL databases
- Learned the inner workings of "fleet management" for public transport systems

Instructor Assistant, KUMON Learning Centre, Calgary, AB, Sept. 2007 – June 2009

- Educated students in various levels of mathematics
- Conducted training programs for new assistants

AWARDS AND QUALIFICATIONS

- Alexander Rutherford Scholarship for High School Achievement, John G. Diefenbaker High School, Calgary, AB, Nov. 2009
- University of Waterloo Merit Scholarship, University of Waterloo, Waterloo, AB, Aug. 2009
- Grade 10 Practical Music in Piano, Royal Conservatory of Music, Toronto, ON, Jan. 2009
- Grade 4 Musical Theory, Royal Conservatory of Music, Toronto, ON, Jan. 2009
- Alberta Chinese High School Diploma, The Chinese Academy, Calgary, AB, June 2009

ACTIVITIES & INTERESTS

- **Member,** Association for Computing Machinery, New York, NY, June 2009 - Present
- **Volunteer Teacher Assistant,** The Chinese Academy, Calgary, AB, Oct. 2007 – June 2009
  - Supervised and instructed a grade 2 class in the Chinese language when the teacher was not present
  - Acted as a liaison between the teacher and parents; addressed parents' concerns regarding their child
- Enjoy music, badminton, computer gaming, computer building / over-clocking