

Tzu Hsuan (Sam) Ling

4B Honours Computer Science, Economics Minor
University of Waterloo - 20292346

HIGHLIGHTS

Technical Experience

- Work experience with HTML, XML, SOAP, PHP, Ext JS, MySQL, DB2
- Work experience with Java, C++, Python, Unix Shell, VBScript, Ant
- Work experience with Microsoft Windows, Linux, Solaris operating systems
- Knowledge of Visual Basic, C, C#, Scheme, jQuery, IBM WebSphere

Soft Skills

- Self motivated developer
 - Strong time management, organization, and leadership skills developed from leadership training programs of World Financial Group
 - Creative; able to learn and apply new knowledge fast
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WORK EXPERIENCE

Application Developer Co-op, *Sybase Canada*

August 2012 - December 2012

- Designed and implemented logic for server automatic update
- Designed and implemented automatic software deployment using various scripting languages
- Integrated code base into new corporate standards after SAP merge
- Fast integration of giant code base for client demo events with multi-million U.S. Dollars contracts

Evaluation: Outstanding

Comment: "Sam's performance during this workterm has been exemplary...[Sam] managed the projects with dedication, seeing them through to completion and following up with documentation. There has been numerous occasions where Sam has worked with colleagues into the night to deliver new enhancements to the field."

Ian Bater | Principal Consultant

Software Tools Developer Co-op, *Research In Motion*

September 2011 - April 2012

- Maintained internal web systems supported by Zend Framework
- Maintained and optimized efficiency for database views and tables
- Designed and implemented core modules for critical needs
- Designed and implemented development assistive shell programs

Evaluation: Excellent

Comment: "Sam (Tzu-Hsuan) has managed each project well, and delivered on time. He was also able to come up with solutions and successfully meet user requirements."

Mike Kim | Reporting Specialist

Spectroscopy Software Developer Co-op, *P&P Optica Inc.*

May 2010 - August 2010; January 2011 - April 2011

- Designed database schema
- Designed and implemented database management tool
- Developed company network connectivity toolkit
- Implemented instant search for database objects
- Implemented graphing library for visualizing raw spectral data
- Designed user interfaces and interaction for several software

Evaluation: Excellent

Comment: "[Sam] consistently engaged himself in the work environment and was always eager to try new things. He has a natural ability to create intuitive and usable user interfaces...Sam seems to have a very good sense of what makes a system easy to use, professional and polished."

Mike Pretti | Software Manager

PROJECTS

Personal Website

November 2011 - Present | <http://thling.com>

- Designed and measured user experience with navigation and presentation
- Designed and implemented HTML, CSS, and jQuery interactions

Human-Computer Interaction - Work Redesign Project

May 2012 - July 2012 | <http://thling.com/s/rms>

- Practiced contextual design and analysis
- Redesigned interface and interactions for existing records management system
- Redesigned subjects' workflow and improved work efficiencies with modern technology

Java Undo/Redo Module

February 2011 - March 2011 | <http://thling.com/projects/java-undo-redo>

- Created abstraction for undo and redo operations; supports undo action on objects
- Developed hList using Java Swing for interactions with the undo and redo lists; provided API for associating hLists with window components
- Optimized list reverse algorithm and memory usage

EDUCATION

Candidate for Bachelor of Honours Computer Science Co-op

University of Waterloo, Waterloo, Ontario, September 2008 - Present

AWARDS

President's Scholarship

University of Waterloo, Waterloo, Ontario, September 2008

- Admitted into university with an average of 90% or above

Grade 12 Gold Scholar Award

Centennial School, Coquitlam, British Columbia, June 2008

- Received grade A in more than 5 courses during grade 12

Gold Scholar - Academic Excellence Award

Centennial School, Coquitlam, British Columbia, May 2008

- Received grade A in more than 8 courses accumulatively

Academic Excellence Award

Centennial School, Coquitlam, British Columbia, June 2006 - February 2007

- One of the two best performing students in classes

INTERESTS & ACTIVITIES

Technology Related

- Develop small programs that make life easier
- Participate in software beta and report bugs and issues
- Learn new programming languages
- Get astonished by mobile systems and cloud technologies

Other

- Improvise and compose piano pieces
- Badminton, basketball, golf
- Study foreign languages and classical music