

LAN WEI

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EDUCATION

- Master of Computer Science** Sep. 2011 – (Expected) Sep. 2013
University of British Columbia, Vancouver, B.C., Canada
- Bachelor of Computer Science** Sep. 2004 – Dec. 2007
University of British Columbia, Vancouver, B.C., Canada
(Academic Award of Excellence 2008 by the Department of Computer Science, UBC)
- Bachelor of Engineering in Ship and Ocean Engineering** Sep. 1999 – Jun. 2003
Wuhan University of Technology, Wuhan, P. R. China

TECHNICAL EXPERIENCE

- Project Manager, General Electric Company** Mar. 2011 – Aug. 2011
- Project Name: Kronos Timecard Recording System
 - Kronos Timecard Recording System: designed and implemented the whole Timecard system to record the employees' and managers' working hours, designed the system flow for managers' approval of timesheets, email reminder, generated monthly reports to meet specified purposes of analysis.
 - Responsibilities: analyzed the system requirements from clients, made working plans, learned Kronos system, configured the system to meet the clients' requirements, tested the functionalities, trained clients to use the system, and wrote system documentation.
 - Development Tools: Kronos, Oracle, Eclipse, Tomcat
- Java Program Developer, Software Center of Bank of China** Nov. 2009 – Mar. 2011
- Project Name: Global Custody System Project
 - System Management module: designed and developed the system management module which achieved the teller management, role management, privilege management. The central task in privilege management and role management was to group functions into roles based on tellers' job duties and to manage tellers' authorizations. Once the tellers were assigned to certain roles, their actions were restricted to the corresponding functions, so that the system could automatically enforce many of the agreed-upon policies.
 - Business Management module: designed and developed the business management module which maintained data from core modules in the Global Custody System, including inserting new records into database, modifying, reviewing, and searching records.
 - Development Tools: Eclipse, Tomcat, Spring, Ibatis, Oracle
- Java Program Developer, Bull Company** Mar. 2009 – Nov. 2009
- Project Name: Egyptian Tax Authority Integrated Tax Management System Project
 - Case Management module: designed and developed the case management system which created cases on request from other system modules (compliance engine - for compliance violations,

taxpayer accounting - for refund request verification, audit - for audit case preparation, classification, execution, etc.). To close each case, the tax officers had to follow listed steps and actions.

- Taxpayer Registration module: participated in developing and maintained the registration system which recorded detailed and complete information of all types of taxpayers, provided flexible and convenient access to modify the information and quickly displayed all parts of a specified taxpayer's information for the tax officers. In addition, it transferred taxpayers between tax officers. suspended or deregistered the taxpayers' accounts.
- Development Tools: FlexForm, FlexFlow, Eclipse, Jboss, Ibatis, Oracle

Java Program Developer, Xinhua Net

May 2008 – Mar. 2009

- Project Name: Xinhua Net News Search System Project
- News Search functionality: provided high efficient news search engine by combined conditions and effective layout of news by catalogues with pictures. Developed the News Calendar, viewing the past news by selecting a date from a calendar; a news management system, flexibly modifying the information of news, pictures and videos
- Search keywords ranking list: designed high efficient algorithm to accumulate the search times of each keyword by day, week, in total, provided a series of top-ten keyword lists by frequency, channel, ranking tree and built a keyword management system, easily filtering the unexpected words.
- Webpage module: implemented an easily understood process to create a webpage which shows the desired news by catalogues, flash pictures, news videos, search box and wrote a detailed user handbook to help the users to master the system quickly.
- Development Tools: MyEclipse, WebWork, Spring, TRS, Ibatis, Oracle

Co-op Programmer, BC Cancer Research Center

Sep. 2006 – Dec. 2006

- Project Name: Array Comparative Genomic Hybridization Project
- Worked on the Java implementation and client/server programming of a software as part of the Array Comparative Genomic Hybridization project
- Created a User Interface by using Java Swing
- Used SQL and XML to manage the database system

Computer Science Course Projects, U.B.C.

Jan. 2006 – Dec. 2007

- Conducted independent research on web text analysis and mining under the supervision of a Database Professor
- Built a full database application of a DVD Borrowing System from scratch in Java
- Experienced the entire software product life cycle while developing a ticket-sale system in Java: creating a vision document, GUI and function implementation and testing
- Applied forward, regression and CSP planning to solve 3x3 Sliding Block Puzzle in Java
- Simulated the takeoff and landing of numerous airplanes in an airport in C++

Teaching Assistant, U.B.C.

Jan. 2006 – Dec. 2007, Sep. 2011 – Present

- Marking, answering questions and performing demonstrations for lab experiments