

Jiaqi Xu

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EXPERIENCE

University of Ottawa, Ottawa, ON — Teaching Assistant

January 2017 – April 2017

- Teaching assistant of undergraduate course: CSI 4105 Design & Analysis Of Algorithms II and graduate course: CSI 5166 Application Of Combinatorial Optimization
- Graded assignments, exams and identified areas where students had difficulties
- Communicated valuable student performance feedback to the professor, so she could better structure her lesson plans
- Scheduled regular weekly meetings with both students and the professor, in order to receive and offer feedback
- Aided students in understanding important concepts and gave guidance where necessary

IT Solutions, uOttawa, ON — Software Developer (Co-op)

May 2016 – December 2016

Development and maintenance of a MVC-based web application used to manage all aspects of COOP program responsible for placing over 2000 students with over 1000 companies each year

Responsibilities:

- Developed and debugged user controls, web services and DAOs for the business process management of interview module using .NET Framework, C# and NHibernate.
- Built up user interfaces for clients (staff, employers, students) using ASP.NET
- Refined user interactions and client operations using JavaScript and JQuery
- Developed new features identified by client requirements and specifications
- Data cleansing for the old entities and mappings in the existing system
- Designed database triggers, functions and views using SQL

Hitachi Project Laboratory, Changchun, China — Software Developer

June 2012 – June 2013

- Teamed up with four other students, leaned programming skills in my supervisor's laboratory and developed the Hitachi Store which was the first web application in my life
- Gained knowledge of the software development life cycle
- Learned HTML, CSS, JavaScript, SQL and MVC Framework
- Used SVN for version control

LANGUAGES

Proficient in



Familiar with



SKILLS

Web Development



EDUCATION

University of Ottawa, Ottawa, ON — *Master of Computer Science (Co-op)*

September 2015 – June 2017

- GPA: 9.67/10
- Completed a Distributed System Project supervised by Paola Flocchini

Changchun University of Science and Technology, China — *Bachelor of Computer Science*

September 2011 – June 2015

- GPA: 3.78/4; School Ranking: 2/128
- Enrolled in an exchange program with the University of Ottawa with a \$15,000 scholarship from the Chinese government
- Awarded the first-grade scholarship (top 10 students) each year & awarded presidential scholarship (top 2 students) in third year
- Awarded the “Excellent Student of CUST” title, which is awarded to “A student who is excellent at all aspects, such as in study, morally and intellectually”

PROJECTS

Adapting JBot to Look-Compute-Move robot systems (java)

- Adapted an existing tool (JBot), which is designed for implementing and visualizing distributed computations, to a specific robot model
- Designed a specific robot model that follows a Look-Compute-Move life cycle
- Added new primitives (e.g., discrete environment and presence of obstacles) to the adapted tool to facilitate the development of mobile robot algorithms
- Implemented a gathering algorithm with conjoined robots in the presence of obstacles

Hitachi Store (web application)

- involved in Requirement gathering and design document
- Developed web forms in ASP.NET using C# as the code-behind language
- Used ADO.NET objects for reading/updating records in the database
- Designed and implemented parts of business logic layer
- Designed views, triggers and stored procedures in MS SQL Server 2008

Game Applet (C#)

- Tetris
- Mine Sweeper
- Link Game

Personal Website (Jekyll, Markdown)

- Designed and implemented personal website using Jekyll
- Used Google Analytics collects and stores information about each visit to my website and implemented tracking code for site flow testing
- Wrote blogs using Markdown
- Used Disqus for blog comments
- Published website on github page.