

# Jiaqi Xu

Personal Website (under construction): <https://jxu033.github.io>

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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