

Jiaqi Xu

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Personal Website: <http://jqx.world>

SUMMARY

I am a new graduate in Master of Computer Science from University of Ottawa and looking for a full-time job as a Software Engineer/Developer.

- Proficient in object-oriented design with java, C#
- Skilled with data structure and algorithm design/analysis
- Over one year of hands-on experience in software development
- Enjoy learning and working with new technologies
- Strong problem-solving abilities and willing to take on challenging tasks
- Extremely adaptable, works effectively in teams
- Trustworthy, works well independently with little supervision

SKILLS

Languages: Java, C#, C++, HTML, CSS, JavaScript, SQL, Markdown

Web Development: ASP.NET, Jekyll, Bootstrap, WordPress, JQuery, AngularJS, JSON, Hibernate

Development Tools: Eclipse IDE, Microsoft Visual Studio, Microsoft SQL server, MySQL, GitHub, SVN

Others: Data Structure, Algorithm Design/Analysis, Software Testing

EDUCATION

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

September 2015 – June 2017

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

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

September 2011 – June 2015

- GPA: 3.81/4; 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 JBotSim to Look-Compute-Move robot systems (java project)

- Adapted an existing tool (JBotSim), 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 robots in the presence of obstacles using java

Hitachi Store (web application)

- Involved in requirement gathering and document design
- Designed three-tier architecture of Hitachi Store
- Designed master pages using HTML, CSS and JavaScript
- Implemented Order and User Module using asp.net
- Designed tables, views, triggers and stored procedures in MS SQL Server 2008

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 Pages

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
- Aided students in understanding important concepts and gave guidance where necessary
- Graded assignments, exams and identified areas where students had difficulties
- Scheduled regular weekly meetings with both students and the professor, in order to receive and offer feedback

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

May 2016 – December 2016

Development and maintenance of a MVC-based web application (Coop Navigator) used to manage all aspects of COOP program.

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 (Intern)

June 2012 – June 2013

- Teamed up with four other students and learned programming skills
- Completed a project named Hitachi Store which was the first web application in my life
- Performed corresponding testing in different phase of software development life cycle
- Gained knowledge of software development and software testing
- Learned HTML, CSS, JavaScript, SQL and MVC Framework