

Jiaqi Xu

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

SUMMARY

A Master of Computer Science from University of Ottawa and looking for a full-time job as a Software Engineer/Developer.

SKILLS

Languages: Java, Python, Bash, C#, HTML5, CSS3, JavaScript, SQL, Markdown

Web Development: SpringMVC, Flask, ASP.NET, JQuery, AngularJS, Jekyll

ORM: Hibernate, SQLAlchemy

Development Tools: Eclipse IDE, PyCharm, Microsoft Visual Studio, Microsoft SQL server, MongoDB, Microsoft SQL Server, PostgreSQL, Git, SVN

Others: Network Protocol, Data Structure, Algorithm Design/Analysis, Design Pattern, 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”

EXPERIENCE

Market Track/360pi, Ottawa, ON — Software Developer

September 2017 – Present

360pi is an award-winning price intelligence engine that helps retailers and manufacturers monitor pricing to increase sales and margins and optimize product mix.

Responsibilities:

- Created and grew a library of thousands of web-crawling bots
- Solved leading bot blocking Issues (Captcha, IP address, CDN Server)
- Developed, maintained back-end code and implemented Restful APIs for a B2B system
- Analyzed and improved product matching algorithm
- Analyzed and extracted data from webpages and generated daily/weekly reports for customers

Technologies:

Python, Scrapy, Flask, SQLAlchemy, MongoDB, PostgreSQL, XPath, JSON, HTTP/HTTPS, Bash,

Postman, Web Inspector, Sumo logic, Docker, Jenkins, Shipit, Git

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
- Built up user interfaces for clients (staff, employers, students)
- Refined user interactions and client operations
- 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

Technologies:

C#, ASP.NET, MVC, NHibernate, HTML5, JQuery, Microsoft SQL Server, SVN

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