Hao Zhong

Computer Engineering | University of Waterloo
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Technical Skills

Proficient:
Java • C++ • JavaScript • HTML • CSS • AngularJS
Intermediate:
Python • VHDL • Matlab • VB
Familiar:
Oracle • MySQL • PostgreSQL • Android
Tools:
Eclipse • NetBeans • Visual Studio • Tomcat• Gradle• Quartus• Axure RP• Tomcat
Operating Systems:
Linux • Windows

Qualifications

- Knowledge of MVC, J2EE, GitHub, SVN, jQuery, GUI and experience in database design
- Great understanding of Software Development Life Cycle and writing test cases
- Outstanding team player and quick learner with effectively communication skills
- Passionate new technologies (AI) and self-learn machine learning and deep learning
- Enhanced problem solving and researching skills in Student Leadership Certificate Program and developed in work and volunteer experiences

Work Experience

Software Developer | HubHead Corp. | Markham, ON | January– April 2017

- Applied Java and Spring MVC knowledge to enhance project performance
- Developed font-end skills by editing UI page using HTML, CSS, AngularJS and TypeScript
- Enhanced database skills by using PostgreSQL to increase searching performance
- Improved testing and quick learning skills by developing selenium test cases
- Cooperated and worked effectively with group members in a team of 5 members

Software Developer | Yunku Technology Co Ltd | Qinhuangdao, China | May–August 2016

- Programed particular functions (such as exam paper creator, exam and user management) for online learning system by using Java, JSP, SQL and jQuery
- Enhanced database skills by writing MyBatis to add, delete, update and search data from database
- Developed user interface by JSP and underdstood HTML, JavaScript and AJAX
- Understood MVC structure by developing projects from user interface to database level

Relevant Projects

Navigation Project | April 2016

- Programmed by Java language for Android devices to implement a path-finding algorithm which can guide a user to a destination and correcting the user's wrong turns along the way
- Designed algorithms for tracking user's position on a model of the physical world
- Improved testing skills by testing the program with unit, system and stress testing methods

Web Server Analysis Project | December 2015

- Programmed by C++ language to handle client requests with different priorities (a light version of Discrete Event Simulation)
- Improved debugging skills by designing comprehensive test cases and test the program to ensure accurate operation
- Developed programming and self-studying abilities by learning new grammars and algorithms

Traffic Light Controller Project | April 2016

- Designed the project with VHDL to simulate traffic light controller system on Altera FPGA board
- Developed schematic and VHDL design by understanding logic gates and VDHL language
- Enhanced combinational and sequential circuits design abilities by designing logic circuits and optimizing state diagrams
- Improved optimizing abilities by using simulation tools and RTL verification to analyze simulation results