Harry Zhang

CONTACTS

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EDUCATION

Bachelor of Computing, Software Engineering (co-op) | 2018 - present

University of Guelph

Completing a minor in Business Data Analytics

SKILLS

Knowledge of Programming Languages:
C/C++, Python, Java, JavaScript, PHP, HTML and SQL

Knowledge of Data Structures and Algorithms:
Arrays and Strings, Linked Lists, Trees and Graphs, Queues and Stacks, Big O, Sorting, Searching, Hash tables, Recursion

Other:
Universal Principles of Design, Agile Method, Design Pattern, Junit Test, CSS, WordPress, Git & Github

EXPERIENCE

2020

AI Algorithm Project (a project grabs information of a region from OSM to analyze, simplify, and visualize data for Somoplay company)
- Implemented with Python in environment of Visual Studio
- Solved problem by performing an effective algorithm
- Parsed data in XML version and visualized by Matplotlib

Hub ECoop Program (an internship in the University of Guelph, which provides entrepreneurial opportunity to start my own small business)
- Improved decision-making, problem-solving and learning skills
- Being innovative and creative, and took his own initiative

Web Application (a simple sale website for CyberWorkShop company)
- Designed in WordPress
- Gathered data from CSV file and stored in MySQL

2019

Web Client-Server Project (a dynamic web app that communicates between Web client and Web server by updating, editing, displaying)
- Created in Linux Terminal with C
- Applied knowledge of HTML, CSS, XML, JSON, Javascript

Dungeon Master Interface Project (a simple game developed with the use of graphics components, which allows to display the components, such as chambers, passages, treasures, etc.)
- Developed in IntelliJ with Java
- Followed Design Pattern and tested by Junit Test

Contact Management System Project (more of a database project that is built using language's file handling mechanism - add, modify, delete records in a file)
- Encoded C language in Visual Studio
- Applied knowledge of Data Structures and Algorithms
- Compiled with makefile and debugged in extreme cases

2018

UI Document Project (a document of designing user interface that displays text messages and posts)
- Worked collaboratively to come up with ideas
- Improved user interface by implementing Agile method
- Was desirable and usable by applying Universal Principles of Design
- Strengthened documentation and orgnizational skills