HANBIN CHANG

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QUALIFICATION SUMMARY

- Recently graduated computer science student with wide range of technical skills, focused in web development, and soft skills developed through academic and professional experience.
- I am experienced in object-oriented programming and in-depth knowledge of advance database system topics.
- I am also highly knowledgeable and experienced in computer network fundamentals, including TCP/IP protocols and network programming. I have a keen interest in applying Machine Learning in Internet Of Things.
- I have a great work-ethics, time-management, and team-work skills and received multiple internal awards for high achievement at SAP.
- Admitted to Masters of Information with focus in User Experience Design program at University of Toronto.

EDUCATION

UNIVERSITY OF TORONTO
BACHELOR OF COMPUTER SCIENCE

- Focused studies in Web & Internet Technologies.

SKILLS & ABILITIES

- Strong in C/C++, C#, .NET, Python, Matlab, Javascript, and Java programming languages
- Proficient in NodeJS, React, AngularJS, Vue.js and RestAPI.
- Experienced with writing Unit Testing with Mocha test framework.
- Experienced with using JSON and XML for web development and database design.
- Excellent debugging and testing skills. Also, experienced in working with virtual environment for development project.
- Experienced with working with Relational Database Management Systems such as MySQL, SQL Anywhere and MongoDB.
- Experienced with Machine Learning development using Numpy, Scipy, and and Matplotlib libraries on Python.
- Fluent in English and native speaker in Korean.

WORK EXPERIENCE

UNDERGRADUATE RESEARCHER, UNIVERSITY OF TORONTO
August 2017 - December 2017

- Working with a supervisor in Software Engineering group at University of Toronto to develop a web-based tool for modeling using jQuery, BackBone.js, and SVG.js
- Performed User Interface analysis.
- Developed test suits.
- Portfolio link : http://www.cs.utoronto.ca/~chang/dev/blooming/
- Github link : https://github.com/amgrubb/BloomingLeaf

TEACHING ASSISTANT, UNIVERSITY OF TORONTO
SEPTEMBER 2017 - DECEMBER 2017

- Responsibilities : Holding office hour, evaluated students' quizzes and tests for first year computer science course called Computational Thinking.

Software Developer, CloudConstable
June 2017 - September 2017

- Responsibilities : Developing and testing 3D-animated graphical agent, voice-controlled user interface.
- Leveraging the open source software, TOX, and with the IBM Bluemix Cloud and Watson Artificial Intelligence.
- Used NodeRed to integrate Watson Speech To Text and Text To Speech service to enable AI assistance.
- Set up NodeJS web server on Unix OS to host music service for voice controlled music player.

Technical support engineer intern, sap
January 2015 - December 2015

- Responsibilities : Working with SAP customers using SQL Anywhere and Advantage Database Server, to provide technical support for these two products.
- Communicated with customers on daily basis via phone or communication system.
- Received multiple awards by peer co-workers and customers for exceptional support quality.
- Wrote a GUI query performance analyzer for SQL Anywhere in C# for support engineers.
- Worked on co-op side project using SAPUI5, Javascript framework written by SAP, to build a tool that help support engineers' to keep track of Knowledge Based Article creation.

Relevant coursework

Human Computer Interaction

September 2017 - December 2017

- Built desktop application using Electron framework for novel scenario and performed user studies.
- Learned about fundamentals of research methodology, usability, and user experience
- Received A+ in the course

Computer Network

September 2017 - December 2017

- Build virtual router network address translator in C.
- Learned about fundamentals of Internet Topology, Network Security, TCP/IP technologies.
- Received A in the course

Database System Technology

January 2017 - April 2017

- Learned about advanced topics in database system implementation, with in-depth knowledge gained in algorithms and data structures used in the implementation of relational DBMS.
- Implemented SQL Join implementations in C and outperformed SQLite join performance by two-folds.
- Designed and implemented a Mapreduce algorithms in Python.
- Received 94%, A+, in the course.