

Young Ko

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Technical Skills

- Front-end: HTML5, CSS3, SASS, Bootstrap, JavaScript, jQuery, React.js, Jest, AJAX
- Back-end: Node.js, NPM, Express.js, ASP.NET MVC, Spring MVC, MySQL, MongoDB, Docker, Kubernetes
- Miscellaneous: C, C++, C#, Java, PHP, Python, Git, Junit, Hadoop, Spark, Kafka, REST API, OpenMP, OpenCL

Education

University of Waterloo | Bachelor of Applied Science, Computer Engineering

Graduated 2020

- Relevant Courses: OS and Systems programming, Data Structures and Algorithms, Android App Development, Compilers, Computer Networks, Database System, Embedded Software, Distributed Computing, Computer Architecture, Programming for Performance, Cryptography and System security

Projects

E-commerce application for buying and selling items

- Microservice application (React.js, Node.js, Express.js, MongoDB, Redis, Docker, Kubernetes) that allows user to post items and they can buy and sell items on the list

Social Networking Service for students' community

- Social media service that allows user to upload multiple posts, like the posts, follow and chat with other users (MERN Stack)

Experiences

Full Stack Developer

Sep 2019 - Dec 2019

Aareas Interactive Inc

Toronto, CA

- Worked on Digital Asset Manager solution and Real estate marketplace web solution
- Developed and utilized new and existing API functions for both solutions- [C#](#), [ASP.NET MVC](#), [MSSQL](#)
- Developed new and existing user interface, functionality on Digital Asset Manager solution - [jQuery](#), [Ajax](#), [JSON](#)
- Developed new pages and features on Real estate web solution - [C#](#), [ASP.NET MVC](#), [Google map API](#), [Regex](#)
- Task and story management using Axosoft, consistent interactions with QAs, daily Scrum meetings

Software Developer

Sep 2018 - Dec 2018

Flex LTD Automotive solution

Markham, CA

- Tested the functionality of the Test system interface board - CAN, SPI, I2C, A2B, CAN configuration, pikit3, teraterm
- Tested system interface board components - waveform generator, DAC, MCU, GNSS, current shunt, power monitor
- Implemented control logic for the power controller in the connectivity project - STM8L Eval board
- Port and integrate bootloader for Bluetooth Energy Chip on the connectivity project - IAR, MCUxpresso, FRDM
- Developed web app for linking the ALM solution with the validation systems - [C#](#), [.Net](#), [REST API](#), [JSON parse](#), [IIS](#)

Computer Software Specialist

Jan 2018 - Apr 2018

Rockwell Automation Inc.

Cambridge, CA

- Developed [C# Windows Form Applications](#) - HTML Extraction Tool and Migration Tool
- HTML Extraction Tool - extracts HTML data using HTML Agility Pack into a specific format of excel file
- Migration Tool - reads that specific format of excel file to visualize them on a graphic panel and data grid
- Functionalities of the applications - zoom, drag, highlights, print, sort data, search, grid functions, rtf, tree-view etc.

Programmer Analyst

May 2017 - Aug 2017

Pharmacy Access Solutions Inc.

Mississauga, CA

- Developed and modified units of existing pharmaceutical solution, Database modification and updates - [SQLyog](#)
- Performed unit testing - once QA confirms, deployed units to LIVE server - [Eclipse CVS](#), [JIRA](#)
- Created and modified Jasper Reports - [iReport](#), [Jasper reports](#)

Web / Mobile Application Developer

Sep 2016 - Dec 2016

Yuhantech Co.

Seoul, KR

- Developed web and android mobile applications - delivery tracking service - [Java](#), [Spring MVC](#)
- Created SQL procedures - join tables to output required tracking info, login credentials - [MSSQL](#)
- Created controllers/functions - login, user permission, popups, excel export, search etc. - [jQuery](#), [jGrid](#), [HTML](#), [CSS](#)

Sergeant

Dec 2014 - Sep 2016

Military Service in Republic of Korea Army – specialized soldier for wireless communication

Seoul, KR

- Used: antenna, FM-220[PCM, MUX], CellBit-500x[ATM], FRX-7G[filter, wireless]
- Gained experience on how wireless communication works from analog signal to digital signal through multiple stages
- Became a team player and at one point became a leader to lead the squadron

QA Automation Developer

May 2014 - Aug 2014

OUAC

Guelph, CA

- Designed and developed automated tests for a web application using PHP
- Automated application submit process using PHP - [PHPUnit](#), [Selenium](#)
- Prepared and presented a technical presentation about the project

Software QA Developer

Aug 2013 - Dec 2013

ConceptWave Software Inc.

Mississauga, CA

- Designed test suits and initiated test plans
- Implemented automated tests for existing and new features - [Selenium](#)
- Ran different automated tests such as unit testing and regression testing - [jBoss](#), [SVN](#)
- Reproduced and debugged bugs to find the cause and reported them - [Mantis](#)