MINSU KIM
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EDUCATION

Seneca College of Applied Arts and Technology
Computer Programming Analysis   *Expected 2021*

University of Waterloo
Honours Bachelor of Science   *2013–2017*

SYSTEMS PROFICIENCIES

- PROGRAMMING LANGUAGES   C/C++, Java, Ruby
- DATABASE TECHNOLOGY   MySQL, Oracle SQL Developer**,** MongoDB
- DESIGN AND IDE TOOLS   MS Visual Studio, MS Visual Studio Code, MS Office
- OPERATING SYSTEMS   Windows, Linux/Unix
- WEB DEVELOPMENT   JavaScript, CSS3, HTML5, Json, Node JS, Express, Handlebars, Bootstrap, jQuery, Angular, React, Ajax

TECHNICAL PROJECTS

Library Publication Storage and Retrieval Application   *C/C++*
- Created an application that manages a list of books in the database
- The application tracks number of books, has search functionality with the book title, rent the book with date validation, add categorized magazine and book publication with valid ISBN number
- Used inheritance in C++ provides an opportunity to reuse code and design for efficient implementation time

Customer Ordering System Application   *C/C++*
- Created an application that passes the stations that hold an inventory of items for filling customer orders
- Used sequence containers such as deque and vector for proper data structure design to add, read and fill customer orders
- Built application with a modular design that improves manageability and allows re-use of codes

Human Resource Database Application   *C/C++, MySQL*
- Developed application for HR database with MySQL interfacing with C++
- Implemented application with MySQL query statements connected to the database server to execute functionalities
- Stored the fetched rows of data into corresponding attributes in structure and manipulate HR database with inserting, deleting, displaying, finding, and updating

Ecommerce Dynamic Websites   *JavaScript, HTML5, CSS3, Handlebars, Express, Node.js, MongoDB*
- Created dynamic websites and server-side web applications using Node.js and Express
- Designed websites with MVC design pattern and template engine Handlebars
- Imported 3rd party packages to improve functionalities of application with NPM
- Connected document-oriented database MongoDB and using Object-Data-modeling library Mongoose for CRUD operations
- Created middlewares for authentication and authorization based on session

WORK EXPERIENCE

Computer Systems Analyst   Jan 2018 - Apr 2019
Cleantopia, South Korea
- Gathered systemic requirements from the client
- Collaborated Excel VBA programmer to create a macro application to change the format of extracted customer database Excel files
- Added new functionality to the system for improving working efficiency

Sergeant Squad Leader   Jan 2015 - Oct 2016
The Republic of Korea, Army (The Armed Forces Medical Command)
- Led the medical task force in its efforts to deliver medical support in high-pressure and time-sensitive conditions
- Managed the internal medical information database to ensure data integrity and prevent insurance fraud
- Provided mentoring and counseling assistance for Squad members on personal and professional topics
- Received and relayed orders from company commander to subordinates