**Jun Beom Lim**

TECHNICAL SKILLS

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| **Language** | **Software** | **Interests** |
| ∙ C  ∙ Java  ∙ JavaScript  ∙ JDBC/MySQL | ∙ Linux  ∙ Windows 8  ∙ Ms Word/Excel/PowerPoint | ∙ Problem solving  ∙ Data structures and algorithms  ∙ Server Managing  ∙ discussion of various problem |

EMPLOYMENT

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| **Software Developer** | **H2O System Technology Co., Ltd.** | **July 2021 ~ Present** |
| ∙ Developed a Commodity Trading HTS Platform that for small business owners  ∙ Maked a display to use JavaScript by using company’s own internal software that code in C++  ∙ Developed a transaction service by using C (Declare database I/O and develop queries)e  ∙ Create table in MariaDB by using MySQL Workbench  ∙ After connecting screen and service, checking the I/O that operate correctly. | | |
| **DevOps Engineer** | **Shinyoung Securities Co., Ltd (Dispatch Consultant)** | **May 2022 ~ Present** |
| ∙ MCI(Multi Channel Interface) - Client access, Stock order or Quote inquiry – A solution to manage various transactions  ∙ When I analyzed the LOG in log server, Originally, I grep only user ID, but this took a long time and couldn't see the full log what I needed like access log. Accordingly, I developed a shell script that can grep a LOG by user’s UUID when user access the system.  ∙ I developed load generator that can tpcall to Online Transaction Processing(OLTP). Furthermore, I developed a module that generate loads when clients connect to MCI system by tcp connect. Analyzing the results and measure TPS  ∙ Among multiple transaction TR, if MCI need to process internally like verify by signkorea, MCI have to call an internal function and sends a TR to OLTP for processing. For this reason, I developed and tested a new necessary TR in MCI. If an core file occurred, I analyzed by using gdb and resolved a error.  ∙ When I manage MCI system, I develop an automation module whenever I need it. For example, Linux bash, shell scripting, Socket(TCP/UDP/IP) Programming, or MultiThreading. In the case of Linux commands, operation and maintenance are performed using crontab, ps, netstat, gdb, or strace. | | |
| **Java Developer** | **Yuanta Securities Co., Ltd (Dispatch Consultant)** | **February 2022 ~ April 2022** |
| ∙ Participated in the project that upgrading java framework in Yuanta’s middleware system.  ∙ Decomposed java framework and created a functional processing flow diagram and detailed description documents using MS Office.  ∙ Upgrading java version to java 8 by using eclipse and proceeding with java framework testing and fix errors that occur when testing.  ∙ Basically, Compile the entire source including development source in local environment and commit to SCM(Software Configuration Management) system. To increase efficiency, I developed options to compiler that can compile only edited or added sources It can cut compile times by 75% | | |

EDUCATION

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| **Seoul, Republic of Korea** | **Hansung University** | **March 2015 ~ February 2022** |
| ∙ Bachelor’s Degree of IT Convergence Engineering – Major of Intelligent Systems  ∙ Work Scholarship (June 2019 ~ December 2019) | | |

TECHNICAL PROJECTS

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| **Senior Engineering Capstion Project** |  |  |
| ∙ Essentially, I implemented a smart farm system that can automatically control the growing environment of crops. Within the system, when webcam distinguishes the presence or absence of cherry tomatoes or the degree of ripening, the robotic arm is operated to harvest the cherry tomatoes.  ∙ Artificial intelligence learning - Crawling the Image of cherry tomatoes and labelling using javascript and python codes. Learning the degree of ripeness of ripeness of cherry tomatoes. With the learned module, I imported Tensorflow and OpenCV as python code, and developed an artificial intelligence object detection code through webcam.  ∙ Robot arm - After 3D modeling, It was produced by 3D printing. I developed python code by importing Pyfirmata that can control Arduino in Windows environment. The code can moved the robot arm to harvest the crop when the webcam identified cherry tomatoes. | | |
| **Hansung Engineering Competition Contest** | **Hansung University** | **September 2019** |
| ∙ Artificial intelligence learning - A specific beach garbage, such as discarded cans, was trained with AI module. By attaching a webcam to the RC car, it was taught using a joystick to move freely in a specific space. Made it possible to discover the garbage learned through a webcam.  ∙ RC car - After 3D modeling of the parts that will be able to collect beach trash, 3D printing and attaching it to the RC car. When the RC car is moving in a specific space and finds garbage, the embedded system is collecting the garbage and to dispose of the garbage in the designated area. | | |

AWARDS EXPERIENCE

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| **Hansung Engineering Competition Contest** | **Hansung University** | **September 2019** |
| ∙ Participation prize | | |

WORKING VISA

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| **Open Work Permit** | **Canada Working Holiday Visa** | **April 2023 ~ April 2024** |