**Jun Beom Lim**

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**TECHNICAL SKILLS**

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| **Languages** | **OS & Software** | **Interests** |
| C  Python  JavaScript  JDBC/MySQL | Linux  Windows 8  Ms Word/Excel/PowerPoint | Server Management  Problem Solving  Data Structures and Algorithms |

**PROFESSIONAL EXPERIENCE**

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| **Shinyoung Securities Co., Ltd.** | **Seoul, Korea** |
| ***DevOps Engineer*** (Dispatch Consultant) | May 2022 – Present |

* Maintained the MCI (Multi Channel Interface) system that manages client access, stock order, and quote inquiry.
* Developed a shell script that can analyze the log of each client access, reducing the search steps from 4 to 1 and the search time by 25%.
* Devised load generators that can send a tpcall to OLTP (Online Transaction Processing) and link clients to the MCI system via TCP Connect; analyzed the TPS measurement results.
* Developed and tested a new transaction (TR) that requires personal information inquiry after validating a public certificate; solved the errors occurred during the test using GDB.
* Development Skills: Linux bash/shell scripting, Socket (TCP/UDP/IP) programming, Multithreading programming
* Tools: Linux Commands (ex. crontab, ps, netstat, gdb, strace, ipcs)

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| **H2O System Technology Co., Ltd.** | **Seoul, Korea**  Jul. 2021 – Present |
| *Software Engineer* |

* Established a Commodity Trading HTS platform for small business owners using C, JavaScript, and MySQL.
* Formulated an HTS UI/UX to use JavaScript with the company’s own internal software coded in C++.
* Developed transaction services that declared database I/O and queries using C.
* Formed tables in MariaDB using MySQL Workbench and inserted data information such as client users, products, addresses, etc.
* Created and inserted queries into transaction services for operate system; reduced query times to find address from 9 seconds to <1 second.

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| **Yuanta Securities Co., Ltd (Dispatch Consultant)** | **Seoul, Korea**  Feb. 2021 – Apr. 2021 |
| *Software Engineer* |

* Participated in the project to upgrade java framework in Yuanta’s middleware system.
* Decomposed the java framework and drew a functional processing flow diagram and detailed description documents using MS Office.
* Upgraded java to ver. 8 using Eclipse; tested the java framework and fixed errors during the test.
* Achieved 75% decrease in the compilation time by developing options to compile only edited or added sources and commit them to the SCM (Software Configuration Management) system.

**EDUCATION**

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| **Hansung University** |  | **Seoul, Korea** |

*Bachelor of IT Convergence Engineering* – Major in Intelligent Systems Mar. 2015 – Feb. 2022

**TECHNICAL PROJECTS**

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| **Hansung University** |  | **Seoul, Korea** |

*Senior Engineering Capstone Project*  Mar. 2021 – Jun. 2021



* Implemented a smart farm system that automatically controls the growing environment of crops using a webcam, which distinguishes the presence or absence of cherry tomatoes or the ripening degrees, and a robotic arm, which harvests the cherry tomatoes.
* Crawled the image of cherry tomatoes and labelling using JavaScript and Python codes; learned the ripening degree of cherry tomatoes.
* Imported TensorFlow and OpenCV as Python code with the learned module and developed an AI object detection code through webcam.
* Constructed a Python code by importing Pyfirmata that can control Arduino in a Windows environment.

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| *Hansung Engineering Competition Contest* |  | Jul. 2019 – Sept. 2019 |

* Trained a designated beach garbage such as discarded cans with an AI module.
* Taught the webcam attached to the RC car using a joystick to move freely in a specific space and discover the garbage learned through it.
* Created 3D modeling of the parts to collect beach trash, produced them in 3D printing, and attached them to the RC car.
* Operated the embedded system to collect and dispose of the garbage in a designated area when the RC car moves in a specific space.

**AWARD**

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| *Fourth Place,* Hansung University Engineering Competition | Sept. 2019 |

**WORK VISA**

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| Canada Working Holiday Visa – Open Work Permit |  | Apr. 2023 – Apr. 2024 |