

Taeyoung Yeon
My Personal Website

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|----------------------------|--|---------------------------------|
| INTEREST | Data Mining & Analysis, Digital Tools & AR/VR, Human-AI Interaction | |
| EDUCATION | Seoul National University , Seoul, South Korea <i>B.S in Computer Science and Engineering</i> Overall GPA: 3.52/4.00 | February 2024 (Expected) |
| WORK EXPERIENCE | Full Stack Game Developer Awesomepiece, Seoul, South Korea | September 2019 – February 2023 |
| | <ul style="list-style-type: none">• Managed live game services serving as Alternative Military Service• Perform tasks such as boss development, in-game content development, and server management• Recognized for achievement, experienced position of development team leader | |
| | CUDA Engineer Intern MindsLab, Pangyo, South Korea | July 2019 – August 2019 |
| | <ul style="list-style-type: none">• Focused on Text-To-Speech (TTS) Throughput Optimization• Achieved speed increase in Tacotron 2 TTS module using CUDA MPS• Developed Python-based profiler to assess model performance | |
| RESEARCH EXPERIENCE | Research Intern <i>Human-Computer Interaction Lab, advised by Prof. Jinwook Seo</i> Seoul National University, Seoul, South Korea | March 2023 – Present |
| | <ul style="list-style-type: none">• Served as Student Volunteer at PacificVis 2023 Conference• Participated in project analyzing effective visualization techniques in EBSi pre-recorded online lectures• Working on project displaying status efficiently during VR meetings | |
| | Research Assistant <i>Real-Time Ubiquitous System Lab, advised by Prof. Chang-Gun Lee</i> Seoul National University, Seoul, South Korea | July 2023 – August 2023 |
| | <ul style="list-style-type: none">• Contributed to development of AI model for mental health diagnosis based on learning behaviors• Troubleshoot and debugged React Native Android applications using Android Studio• Processed and analyzed experimental data, and trained AI models using TensorFlow | |
| PROJECTS | King God Castle , at Awesomepiece Skills : Java (Spring Boot), C#(Unity), TypeScript, MySQL, Google Cloud Platform | September 2021 – February 2023 |
| | <ul style="list-style-type: none">• Managed global game service expanding to over 20 countries, 8 languages• Developed dynamic UI tools in Unity native for in-game multi-language features• Led Development Team, oversaw schedules, mentored five junior developers | |
| | Zombie High School , at Awesomepiece Skills : Java (Netty), C#(Unity), Python (Django), MySQL | September 2019 – September 2021 |
| | <ul style="list-style-type: none">• Improved user experience with features like ranked-game reconnect | |

- Analyzed user gameplay using logging, database queries
- Experienced multi-thread game server handling up to 100,000 concurrent online users

Story Adventurer March 2023 – June 2023
 Skills : TypeScript, React Vite, OpenAI API

- Developed automated fairy tale generator for Introduction to HCI class
- Enabled story creation with selectable branches, option to download as PDF
- Experienced full phase of typical HCI study, including basic user study

Non-linear Image Processor with LG Innotek March 2023 – June 2023
 Skills : Python, OpenCV, Multiprocessing

- Engineered PCB board defect detection module for LG Innotek
- Received recognition for algorithm optimization surpassing field efficiency
- Presented results to head of the semiconductor department

BridgeUS September 2022 – December 2022
 Skills : TypeScript, Python, React-Redux, Django, MySQL, Amazon Web Services

- Contributed to K-pop clothing e-commerce platform
- Acted as backend developer, implemented ML-based recommendation algorithm

COMPUTER SKILLS **Advanced** : Unity, C#, Java, Python, Cloud Services (GCP, AWS)
Moderate : TypeScript, React, Django, Jenkins
Basic : SQL

LANGUAGE PROFICIENCY **Korean**
 Native proficiency

English
 Fluent - iBT TOEFL 104 (Reading : 30 Listening : 27 Speaking : 22 Writing : 25)

EXTRA-CURRICULAR ACTIVITIES **Member of Student Council** December 2017 – June 2019
 Seoul National University, Public Relations Department

- Designed and managed posters for campus events
- Managed official social media accounts and posts for announcements
- Conducted shorthand recording in General Student Representatives Meeting

HONORS-AWARDS **Seoul National University Academic Excellence Scholarship** 2017 - 2023

- Merit-based academic scholarship
- Awarded for high academic performance

Excellence Award 2022
Encouragement Award 2021

- Writing Competition by Military Manpower Administration for Industrial Technical Personnel
- Essays on impact of experience as Industrial Technical Personnel on life