

Taeyoung Yeon

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INTEREST	Human-Computer Interaction, Ubiquitous Computing, AI-based Sensing Systems, Virtual/Augmented Reality	
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 ServicePerform tasks such as in-game content development and server managementRecognized 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">Achieved speed increase in Tacotron 2 TTS module using CUDA MPSDeveloped Python-based profiler to assess model performance	
RESEARCH EXPERIENCE	Research Assistant (Remote Collaboration) <i>with Prof. Karan Ahuja (Incoming Professor at Northwestern University)</i>	September 2023 – Present
	<ul style="list-style-type: none">Working on acoustic activity sensing for mobile phones and smartwatchesConverted original Python code to Swift (iOS) and Kotlin (Android)	
	Research Assistant <i>Human-Centered Computer Systems Lab, advised by Prof. Youngki Lee</i> Seoul National University, Seoul, South Korea	August 2023 – Present
	<ul style="list-style-type: none">Working on project displaying status efficiently during VR meetingsDeveloped prototype VR meeting application using Unity and designed user study	
	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 ConferenceParticipated in project analyzing effective visualization techniques in pre-recorded online lectures	
	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">Developed AI model for mental health diagnosis based on learning behaviorsDebugged React Native Android applications using Android StudioAnalyzed experimental data and trained AI models using TensorFlow	

PROJECTS	King God Castle, at Awesomepiece September 2021 – February 2023 Skills : Java (Spring Boot), C#(Unity), TypeScript, MySQL, Google Cloud Platform <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 September 2019 – September 2021 Skills : Java (Netty), C#(Unity), Python (Django), MySQL <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 <ul style="list-style-type: none"> • Developed automated fairy tale generator for 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 <ul style="list-style-type: none"> • 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
	Virtual Reality : Unity (Meta SDK), C#, Ubiquitous Computing : Kotlin, Swift, Tensorflow, Pytorch, CUDA Programming : Java (Spring boot, Netty), Python (Django), Javascript (React)
COMPUTER SKILLS	
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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Merit-based academic scholarship (Awarded for high academic performance)
	Excellence Award 2022
	Encouragement Award 2021 <ul style="list-style-type: none"> • Writing Competition by Military Manpower Administration for Industrial Technical Personnel • Essays on impact of experience as Industrial Technical Personnel on life