Taeyoung Yeon

HCI Enthusiast

Game Dev, Data Mining, UX/UI, Team Leadership

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 Tae Young Yeon   +8210-6600-2755

🎓 Education

Seoul National University
Bachelor of Science in Computer Science and Engineering (Overall GPA: 3.52/4.00)

March 2017 – Expected Graduation: February 2024
Seoul, South Korea

💼 Work Experience

Awesomepiece
Full Stack Game Developer

September 2019 – February 2023
Seoul, South Korea

» C# (Unity), Java (Netty, Spring Boot), Python (Django), MySQL, Google Cloud Platform
> Managed live game services for 3 years, serving as Industrial Technical Personnel (Alternative Military Service)
> Cultivated a strong interest in User Experience (UX), User Interface (UI), and Data Mining
> Handled up to 100,000 concurrent online users

MindsLab
CUDA Engineer Intern

July 2019 – August 2019
Pangyo, South Korea

» Python, CUDA, Docker
> Focused on Text-To-Speech (TTS) Throughput Optimization
> Achieved a 10x to 100x speed increase in TTS (Tacotron 2) using CUDA MPS
> Developed a Python-based profiler to assess model performance

⚙ Research Experience

Human-Computer Interaction Lab, Seoul National University
Undergraduate Research Intern, advised by Prof. Jinwook Seo

March 2023 – Present
Seoul, South Korea

» Python
> Served as a Student Volunteer at the PacificVis 2023 Conference
> Engaged in multiple meetings with senior researchers and Professor Jinwook Seo for project guidance
> Gained insights into effective learning strategies through data visualization in online education

Real-Time Ubiquitous System Lab, Seoul National University
Research Assistant, advised by Prof. Chang-Gun Lee

July 2023 – August 2023
Seoul, South Korea

» Python, TensorFlow, React Native
> Contributed to the development of an AI model for mental health diagnosis based on learning behaviors
> Troubleshot and debugged React Native Android applications using Android Studio
> Processed and analyzed experimental data, and trained AI models using TensorFlow

⚗ Projects

💼 Work: King God Castle

September 2021 – February 2023

» Java (Spring Boot), C# (Unity), TypeScript, MySQL, Google Cloud Platform
> Managed a global game service that expanded to over 20 countries
> Led the Development Team, overseeing schedules and mentoring five junior developers

💼 Work: Zombie High School

September 2019 – September 2021

» Java (Netty), C# (Unity), Python (Django), MySQL, Google Cloud Platform
> Improved user experience by implementing a reconnect feature
> Analyzed user gameplay through extensive logging

🎓 Academical: Story Adventurer

March 2023 – June 2023

» TypeScript, React Vite, OpenAI API
> Developed an automated fairy tale generator using OpenAI API for an Introduction to HCI class
> Enabled story creation through selectable branches, with an option to download the result as a PDF

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🎓 **Academical: Non-linear Image Processing Module with LG Innotek**   March 2023 – June 2023
» Python, OpenCV, Multiprocessing
> Engineered a PCB board defect detection module using Python, OpenCV, and multiprocessing
> Received recognition for algorithm optimization that surpassed field efficiency

🎓 **Academical: BridgeUS**   September 2022 – December 2022
» TypeScript (Frontend), Python (Backend), React-Redux, Django, MySQL, Amazon Web Services
> Contributed to a K-pop clothing e-commerce platform
> Primarily acted as a backend developer, implementing a machine learning-based recommendation algorithm

💬 Communication

Korean (Native)

English (Fluent) - TOEFL 104 (R30 L27 S22 W25)

🏆 Awards

Seoul National University Academic Excellence Scholarship   2017 - 2023
» Merit-based academic scholarship
> Awarded for consistently high academic performance

Excellence Award(2022), Encouragement Award(2021)   2021,2022
» Writing Competition held by the Military Manpower Administration for Industrial Technical Personnel.
> Essays reflecting the impact of my experience as Industrial Technical Personnel on my life

⚙ Skills

Programming Languages   C#, Java, Python, TypeScript, SQL
Frameworks and Libraries   Tensorflow, Spring Boot, React-Redux, Django
Tools   Unity, Git, LaTeX, Docker, Google Cloud Platform, MySQL

🎮 Interests

Data Mining   Interested in utilizing data mining techniques to enhance user experience
Human-AI interaction   Focused on the practical aspects of AI to improve human-computer interaction
Effective Information Visualization   Passionate about leveraging visual tools to simplify complex data