Yeajin Byun

+82 10-6430-3615 | yejnbn@gmail.com | Blog: https://yjinaa.github.io/ | LinkedIn: https://www.linkedin.com/in/yjinaa/

EDUCATION

Inha University   *Incheon, South Korea*
   B.S. in Industrial Engineering & Software Convergence Engineering   *Mar 2017 - Feb 2023*
   – GPA: 3.91 (4.5 scale)

EXPERIENCE

POSTECH Institute of Artificial Intelligence   *Pohang, South Korea*
   Researcher   *Dec 2023 - Aug 2024*
   Intern   *Oct 2023 - Dec 2023*
   - Adapted the txt2img model architecture for txt2spkemb tasks, optimizing for speaker embeddings
   - Improved speaker embedding cosine similarity by 20%, replacing LSTM layers with TDNN and self-attention layers
   - Reduced trainable parameters from 111M to 1.2M using LoRA for efficient fine-tuning

Real Data   *Seoul, South Korea*
   Researcher   *Jan 2021 - Jun 2021*
   - Contributed to a big data analysis platform construction project at Shinhan Financial Investment Corporation
     - Developed a customer segmentation model using K-Means on transaction data for targeted marketing
     - Converted SAS based model to Python
   Intern   *Jul 2020 - Dec 2020*
   - K-Data Data Voucher Support Project
     - Scraped 6.7 million news articles and extracted bankruptcy-related keywords using W2V
     - Automated web scraping for company IPO data by developing a custom web scraper program

AWARDS

Top Award, POSCO Youth AI · Big Data Academy, 2023   *Pohang, South Korea*
Recognized for outstanding results in AI project developing a copyright protection service against unauthorized AI training

Excellence Award, POSCO Youth AI · Big Data Academy, 2023   *Pohang, South Korea*
Awarded for excellence of in Individual performance.

ACTIVITIES

Gueltto   *Online*
Contributor   *Jul 2021 - present*
Authored 30+ technical posts on Python and AI topics as a part of a technical writing group for developers

Student Council of the Department   *Inha University, Incheon, South Korea*
Treasurer   *Jan 2019 - Dec 2019*
Managed a $5000 annual budget, maintaining financial compliance and securing audit approval

International Regional Studies Program   *University of California, Riverside, USA*
Participant   *Jan 2020*
Completed a two-week academic program focused on cultural exchange, selected as one of 50 participants

CERTIFICATES

Big Data Analysis Engineer 빅데이터분석기사 / 한국데이터산업진흥원   *Jul 2023*
Information Processing Engineer 정보처리기사 / 한국산업인력공단   *Nov 2021*

SKILLS

Python(PyTorch, Pandas, numpy, Scikit-learn, request, BeautifulSoup), SQL, MS Office | OPIc(AL), TEPS(444), TOEIC(940)