Bitna Keum

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EDUCATION

Konkuk University   *Mar. 2022 - Present*

The master's course, Department of Artificial Intelligence, NLP Lab.   *Seoul, South Korea*

GPA 4.41 / 4.5

Kwangwoon University   *Mar. 2017 - Feb. 2022*

Bachelor of Engineering, Department of Computer & Information Engineering   *Seoul, South Korea*

GPA 4.16 / 4.5

PUBLICATIONS

Domestic Conferences

- S. Park, Y. Son, **B. Keum**, H. Kim, H. Kim, and J. Kim, "Reference-based Utterance Generation Model using Multi-turn Dialogue", Proc. of the 34th Annual Conference on Human and Cognitive Language Technology, pp. 88-91, 2022.

- **B. Keum**, H. Kim, S. Park, J, Kim, J. Huang, O. Kwon, and H. Kim, "Noised Guide-based Generative Model for Open-domain Conversation", Proc. of the 34th Annual Conference on Human and Cognitive Language Technology, pp. 82-87, 2022.

WORK EXPERIENCES

- **Internship at TUNiB Inc.**   *Jul. 2021 - Jan. 2022*
  - Build huge datasets for Korean language models   *Gangnam-gu, Seoul*
  - Participate in NLP task competitions
  - Chatbot service and deployment

- **Internship at GNC Solution Co., Ltd.**   *Sep. 2019 - Feb. 2020*
  - Study Deep-learning and NLP   *Songpa-gu, Seoul*
  - Develop Q&A Program based BERT
  - Stock Analysis using LSTM and magic formula

- **Development Part-time Job at Esoftware Co., Ltd.** *Oct. 2019 – Dec. 2019*
    - Develop .NET framework Application Software *Songpa-gu, Seoul*
    - Design software UI/UX
    - Manage database by SQL Query

PROJECT EXPERIENCES

- **Chatbot Service** *Nov. 2021 – Jan. 2022*
    - Implement functions of chatbot and deploy models
    - Service on Kakaotalk using kakao i open builder

- **TUNiB-electra** *Jul. 2021 – Sep. 2021*
    - Web scraping, data preprocessing, and data management
    - Collect 1.2TB Korean text data

- **Web Scraping Project** *Jul. 2021 – Jul. 2021*
    - Build Web Scrawler for many different web site

- **Coin Price Prediction Project** *May. 2021 – Jun. 2021*
    - Participate in Dacon AI Bit Trader Contest
    - With time-series models, generate a profit of 2.23 times

- **Thanks For Today: smart diary analyzing myself** *Feb. 2021 – Feb. 2021*
    - Participate in SW-central-university Joint Hackathon as a school representative
    - Analyze text data of diary by NLP and visualize with Wordcloud

- **GAN-based Clothing Design Application Program** *Jul. 2020 – May. 2021*
    - Industry-Academic collaboration project with LG
    - Apply StarGAN and Mask R-CNN, and provide service as Web application
    - Improve the model architecture of StarGAN

- **Consumer-Entrepreneur Connection Web Community** *Jan. 2020 – Mar. 2020*
    - Develop Web for communication between consumer and (prospective) entrepreneur
    - Back-end development with Javascript using Node.js and NoSQL Database management
    - Win an Excellence Award in Autonomous Semester Design & Development Project

EXTRACURRICULAR ACTIVITY

- **AI Grand Challenge competition** *Oct. 2021 – Nov. 2021*
    - Participate in math word problem solving and threatening conversation detecting task
    - Win the President's Award

- **NLP Paper Reading Group 'Jibhyeonjeon'** *Jun. 2021 - Nov. 2021*
  - Intermediate class member
  - Our team presented on the topic 'Task-Oriented Dialogue System'

- **Coding School Tutor** *Jan. 2019, Jan. 2021, Feb. 2021, Jul. 2021*
  - Work as a tutor of Coding School in Kwangwoon University
  - Assist and coach students in C and Python programming practice

AWARDS AND HONORS

2022	**4th place**, Korean Multi-session Data Hackathon, *NIA*
2022	**Best Paper Award**, the 34th Annual Conference on HCLT, *KIISE*
2022	**Research Excellence Scholarship**, *Konkuk Univ.*
2021	**President's Award**, AI Grand Challenge, *IITP*
2021	**Encouragement Award**, SW portfolio contest, *Kwangwoon Univ.*
2020	**President's Award**, AI utilizing Idea Contest, *Kwangwoon Univ.*
2020	**Excellence Award**, Autonomous Semester Design & Development Project, *Kwangwoon Univ.*
2021, 2020, 2018	**Academic Excellence Scholarship**, *Kwangwoon Univ.*

SKILLS

- **Programming Skills**
  - Python (Skilled), C/C++, Java, SQL
  - PyTorch, Tensorflow

- **Language Skills**
  - Korean (Native)
  - English (Intermediate, TOEIC 855)
  - Chinese (Beginner)