

# Bitna Keum

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📖 [beausty23.tistory.com](https://beausty23.tistory.com)



## EDUCATION

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### Konkuk University

The master's course, Department of Artificial Intelligence, NLP Lab.  
GPA 4.41 / 4.5

Mar. 2022 – Present  
Seoul, South Korea

### Kwangwoon University

Bachelor of Engineering, Department of Computer & Information Engineering  
GPA 4.16 / 4.5

Mar. 2017 – Feb. 2022  
Seoul, South Korea

## PUBLICATIONS

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### 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

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### • Internship at TUNiB Inc.

- Build huge datasets for Korean language models
- Participate in NLP task competitions
- Chatbot service and deployment

Jul. 2021 – Jan. 2022  
Gangnam-gu, Seoul

### • Internship at GNC Solution Co., Ltd.

- Study Deep-learning and NLP
- Develop Q&A Program based BERT
- Stock Analysis using LSTM and magic formula

Sep. 2019 – Feb. 2020  
Songpa-gu, Seoul

- **Development Part-time Job at Esoftware Co., Ltd.**

Oct. 2019 – Dec. 2019

- Develop .NET framework Application Software
- Design software UI/UX
- Manage database by SQL Query

Songpa-gu, Seoul

## PROJECT EXPERIENCES

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- **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

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- **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

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

## SKILLS

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- Programming Skills
  - Python (Skilled), C/C++, Java, SQL
  - PyTorch, Tensorflow
- Language Skills
  - Korean (Native)
  - English (Intermediate, TOEIC 855)
  - Chinese (Beginner)