

# Bitna Keum

☎ +82-10-3446-3606  
✉ [beausty23@naver.com](mailto:beausty23@naver.com)  
📖 [beausty23.tistory.com](https://beausty23.tistory.com)  
🐙 [github.com/BitnaKeum](https://github.com/BitnaKeum)



## INTRODUCTION

---

I am currently senior in Computer and Information Engineering at Kwangwoon University. I'm really interested in NLP, especially Chatbot. My long-term goal is making human-like, friendly conversational chatbot which can even replace a 'real' friend. To reach my goal, I'm continuously studying concepts of NLP and have ever made basic task-oriented chatbot. To grow myself, I want to learn more about the field of NLP and to communicate with people who have same interests as me.

## EDUCATION

---

### Kwangwoon University

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

*Mar. 2017 - Feb. 2022 (Expected)*

*Seoul, South Korea*

## WORK EXPERIENCES

---

- **Internship** at GNC Solution Co., Ltd. *Sep. 2019 - Feb. 2020*
  - Studying Deep Learning and Natural Language Processing *Songpa-gu, Seoul*
  - Developing Q&A Program based BERT
  - Stock Analysis
- **Development Part-time Job** at Esoftware Co., Ltd. *Oct. 2019 - Dec. 2019*
  - Developing .NET framework Application Software *Songpa-gu, Seoul*
  - Software UI/UX Design
  - Management of Database by SQL Query

## PROJECT EXPERIENCES

---

- **Thanks For Today: smart diary analyzing myself** *Feb. 2021 - Feb. 2021*
  - Participated in SW-central-university Joint Hackathon as a school representative
  - Analyzing texts of diary by NLP
  - Providing information such as key word, key sentence, frequent words, Wordcloud and user's liking

- **GAN-based Clothing Design Application Program** *Jul. 2020 - May. 2021*
  - Applying StarGAN and Mask R-CNN and Providing service as Web application
  - Improved the model architecture of StarGAN, resulted in better performance
  - Made the model 35% lighter
- **Store: Consumer-Entrepreneur Connection System** *Jan. 2020 - Mar. 2020*
  - Developing Web for communication between (prospective) entrepreneur and customer
  - Won an Excellence Award in Autonomous Semester Design & Development Project
- **Developing BERT-based Q&A Program** *Sep. 2019 - Feb. 2020*
  - Developing Q&A Program based BERT
  - Training model on KorQuAD v1.0 dataset

## EXTRACURRICULAR ACTIVITY

---

- **NLP Paper Reading Group 'Jibhyeonjeon'** *Jun. 2021 - Present*
  - Intermediate class member
  - Our team presented on the topic 'Task-Oriented Dialogue System'
- **Idea Contest for Utilizing AI** *Nov. 2020 - Nov. 2020*
  - Won the 1st prize with the idea of 'Clothing pattern synthesis program using GAN'
- **Coding School Tutor** *Jan. 2019, Jan. 2021, Feb. 2021, Jul. 2021*
  - Working as a tutor of C and Python Coding School in Kwangwoon University
  - Assisted and coached my students in programming practice
- **C-language Study** *Mar. 2017 - Jun. 2017*
  - Studied C-language and algorithm every weeks
  - Attended to several seminars conducted by seniors
- **Information Security Study** *Mar. 2017 - Jun. 2017*
  - Studied overall Information Security, especially Reverse Engineering every weeks
  - Founding member of Information Security Club

## AWARDS AND HONORS

---

2020	<b>President's Award (1st place)</b> , Idea Contest for Utilizing AI, <i>Kwangwoon University</i>
2020	<b>Excellence Award</b> , Autonomous Semester Design & Development Project, <i>Kwangwoon University</i>
2020, 2018	<b>Academic Excellence Scholarship</b> , <i>Kwangwoon University</i>

## SKILLS

---

- **Programming Skills**
  - Python, C/C++, Java, JavaScript, HTML, R, SQL
  - PyTorch, Tensorflow (+Keras)
- **Language Skills**
  - Korean (Native), English (TOEIC 855), Chinese (Beginner)