

Jahyeon Hong
adgjm258015@gmail.com
github.com/ddi04078
linkedin.com/in/jahyeonhong

TECHNICAL SKILLS

- Languages: **Java, Javascript, C++, Python, Android, Swift**
- Frameworks / Platforms : **Arduino, Play Framework, Flask**
- Others : **Html, Css, Elasticsearch, Trello, Zeplin**

EDUCATION

- Kookmin University. Seoul. South Korea expected 2020
School of **Computer Science BS**

EXPERIENCES

- **Wearable device** Service with **Application** (Android, Arduino) 2017.11
 - a. **wearable devices** and **application** adjusting one's posture (Smart belt and Smart shoes)
 - b. **sent an alarm to the smart phone** if someone made wrong posture
 - c. built **algorithm** which is about adjusting wrong posture of waist and feet
 - d. composed **UIs** and giving basic functions in our application
- **IoT** Technology for **Smart City** in 4th Industrial Revolution (Arduino) 2018.11
 - a. built an event-driven **server with node.js**
 - b. received and **managed data** with an **arduino and fine dust sensors**.
- Android Application for User **Emotion Analysis** and Music Recommendation (Python) 2019.04
 - a. analyzed emotion of users based on **facial and voice recognition**
 - b. implemented **recommendation algorithm** based on the gathered user data
- **Big Graph Visualization** (Java, Javascript, ElasticSearch, Play framework) 2019.06
 - a. implemented **web server** to send request to ElasticSearch containing articles as data.
 - b. **visualized the graph** whose nodes are the articles that are connected by the links.
 - c. **applied an effective layout algorithm** depending on the purpose of the graph.
 - d. **preprocessed en-wiki data** and put it into ElasticSearch
- Kakaotalk **chatbot with API** (Flask) 2018.01
 - a. communicated with 'Kakao Talk's Plus Friend'
 - b. automated response API to handle the **nlu with flask**
- **IOS application** for bowling (Swift) 2018.05
 - a. **accumulated and managed data** that the member's own bowling records.
 - b. **showed a graph** from recent records and analyzed them.
- **Android application** for matching traveling mates (Android) 2019.02
 - a. composed **UIs** of the application
 - b. made **components** that contain **traveling data** according to traveling date and places
 - c. rearranged and showed data using **public data API**

AWARDS

- A grand prize(**Intel Korea President**) 2017
2017 **Embedded Software** Competition- Kobot, 'Your posture'