

JAEMIN LEE

software engineering, Korea Aerospace university (KAU)

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Education

KoreaAerospace University

March. 2016 – present

Bachelor of Science in Computer Science [expected: March. 2022]

overall GPA 3.83/4.50, major GPA 4.07/4.50

Military Service (leave of absence) March. 2017 – December. 2018

Relevant Coursework

- Data Structures
- Operating System
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Internet Technology
- Systems Programming
- Computer Architecture
- Flight Control System

Projects

Selecting music related on user's emotion App | Android studio, Google Cloud Console, AWS March 2020-June 2020

- Selecting music and play related on user's talk.
- Analyzing user's emotion by what they said to device with SageMaker, Lambda on AWS and open-sources.
- Converting voice data to text data with Google Speech To Text API(STT).
- Inserting music list to Firebase handwork not a api because of the Copyright.
- Designed on Android Studio framework to listening user's voice and play the music.

Storing web sites on my web application | NodeJs, MongoDB, react, Express

July 2020-November 2020

- Storing various web sites that people usually use for lots of purposes.
- People search a lot of web sites for assignment, research, project, design, etc. So they prefer their own sites.
- Designed back-end api by nodejs and tested the api by postman and also cooperated with front-end team by Github.
- Realized the login function with JWT Token on session
- Making a list of web sites and user's private information in MongoDB

Realization of crosswalk light for blind man | IoT, Deep Learning, Raspberry PI

April 2021-present

- Extracting video data by Real-time camera and Analyzing a crosswalk light by deep learning model.
- Notice the traffic light information by sound of device to blind man, the user who carries the device on the body.
- Construct a deep learning model like inception V3, YOLO, etc.
- Designed Raspberry PI by attaching camera and Speaker so that It can notice to blind man.

Technical Skills

Languages: Python, Java, C, C++, JavaScript, SQL, Assembly

Developer Tools: VS Code, Eclipse, Google Cloud Platform, Android Studio, PyCharm, Postman, Arduino

Technologies/Frameworks: GitHub, Express

Honors and Awards

- grade scholarship 1200, KAU 2nd semester 2019
- grade scholarship 700, KAU 1st semester 2020
- grade scholarship 1200, KAU 2nd semester 2020

Leadership / Extracurricular

Fraternity

Summer 2020 – Winter 2020

external software engineering union circles

union of University

- * Make a team among the union circles member autonomically and construct all step of the web application project like planning, designing, analyzing, coding, testing, etc.

Volunteering

Summer 2019

Educational volunteering for korean students who studied in Vietnam about Drone

Vietnam

- * Show how to make a drone and code the way to drive the drone by Arduino and pre-installed application
- * Flight Control System course was really crucial opportunity for me to teach young students.