# Taeyoung Kwak

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## Education

**Kookmin University**, Seoul, Republic of Korea                                                   Feb 2020
BS in Computer Science

## Work Experience

**Awair** | Backend Developer, Seoul, Republic of Korea                               Nov 2020 - Mar 2021
**Go(go-restful, gorilla), Postgres**
 Awair Dashboard (Lobby Display Mode): an indoor air quality displaying & sharing service
- Implemented gRPC/REST API based backend/API services for display client
- Implemented a backend for URL sharing of display client
 Awair Account (Account Service)
- Implemented an OAuth2.0 based account service and integrated previously fragmented system
 Refactored legacy codes based on domain-driven design

## Project Experience

**MeetAtMid** | Backend Developer, Project Management                          Mar 2019 - Jun 2019
**JavaScript, Python(Selenium, BeautifulSoup) / Node.js(Express, GraphQL, Axios, Mongoose) / MongoDB**
- Implemented a web app to recommend optimal places with traffic information for a meeting that all participants can easily accept.
- Responsible for developing backend and data crawler for updating candidate place database and managing the team and project
- Crawled over 300,000 postings for the place database from SNS and produced over 1,000 hits in a month.

**ClubRadio** | Backend Developer                                                           Sep 2019 - Dec 2019
**Python, JavaScript, MySQL / Django / AWS(EC2, S3, CloudFront, Route53, SES, SNS, Lambda) / React**
- Implemented a club event discovery web platform providing the most relevant information to make decision quick and easy
- Responsible for developing overall backend including subscription service and configuring AWS

**HearYou** | Android Developer
**Java / Android Studio(Retrofit, OkHttp, GSON)**                                    Dec 2018 - Feb 2019
- Implemented an Android app for sexual assault victims that helps them create a report when an unfortunate incident happens
- Responsible for developing app including onboarding page, sign-in/up, editing report, main page of report, and communication between server and client using REST API

## Skills

Programming: Go(Intermediate), Python3(Intermediate), JavaScript(Intermediate), Java(Intermediate)
Language: Korean(Native), English(Advanced)
Others: Git, AWS, Docker, Jira, Slack

## Research Experience

**HCI Laboratory** | Kookmin University (Seoul, Republic of Korea)          Sep 2019 - Dec 2019
*Undergraduate Research* (Advisor: Prof. Sangmin Yoon)
- Participated in projects on super-resolution using deep learning
- Researched on super-resolution by decomposing a low-resolution image into two frequencies, enhancing them respectively, and integrating into one high-resolution image

## Teaching Experience

**Object-Oriented Programming** | TA, Kookmin University (Seoul, Republic of Korea)          Sep 2019 - Dec 2019
- Covered basic Java programming
- Ran laboratories for over 100 students three times a week, answered questions in person and online, and proctored exam