

Hyungseok Choi

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EDUCATION

- **Seoul National University'23** Seoul, Korea
Bachelor of Computer Science - Computer Science and Engineering; GPA: 3.9/4.3 Mar 2017 - Present
Courses: Computer Architecture, Data Structures, Algorithms, Artificial Intelligence, Internet Security and Privacy, Databases
- **University of Washington** Seattle, US
Exchange Student; GPA: 3.87/4.0 Mar 2022 - Present
Courses: Machine Learning, Software Design & Implementation, Introduction to Data Science

SKILLS SUMMARY

- **Languages:** Python, C, C++, Java, JavaScript, SQL, Bash, HTML, CSS
- **Frameworks:** Django, Spring, React
- **Tools:** Kubernetes, Docker, Git, MySQL, MongoDB, SQLite, Firebase, NodeJS, Tableau
- **Platforms:** Linux, Windows, AWS(EC2, RDS, S3, EB)
- **Soft Skills:** Leadership, Event Management, Time Management

EXPERIENCES

- **SAP Labs Korea** June 2021 - Aug 2021
Intern (Full-time)
 - **Developed cloud-native data lake solution:** Based on Spark, Kubernetes(K8S), AWS S3 and other open source projects(Apache Hadoop, Apache Iceberg).
 - **Developed REST interface for Spark:** By deploying Apache Livy on K8S, added another endpoint.
 - **Managed K8S cluster with a helm chart:** Built a helm chart to manage K8S deployments and services of multiple namespaces
- **Diligentist, Inc.** Mar 2021 - Feb 2022
Co-founder, Backend developer

Created a private mentoring platform to address problems in Korea's education market regarding structural imbalance.

 - **Developed a web server using Django:** Developed RESTful APIs using Django rest framework and made sign-in system using JWT
 - **Designed and managed the deployment system:** Adapted Docker multi-container to deploy the service on AWS Elastic Beanstalk.
 - **Enhanced the decision-making process of the developing team:** By adopting a daily scrum meeting and a kanban board.
 - **Performances:** Gathered 600+ users and raised \$40K funding from the Korea government agency
- **SNU Tomorrow's Edge Membership(STEM, engineering student honor society)** May 2021 - Feb 2022
 - Led the event by participating as a host in "Vision Mentoring", a career mentoring for 50+ high school students.
- **SNU Likelion(Web Development Club)** Mar 2020 - June 2021
 - Lectured 15 weeks of web development training sessions using Django for non-major students.
 - Planned club events such as Hackathon and Ideathon actively.

PROJECTS

- **STEM website renewal** Sept 2021 - Dec 2021
(<https://www.gongwoo.snu.ac.kr/>)
 - **Migrated on-premise database to cloud**
 - Managed the admin page for the maintenance
Tech: Spring, React, Vercel, Firebase, HTML, CSS, AWS EC2
- **Community for SNU dorm residents** June 2020 - July 2020
(<https://domitori.herokuapp.com/>)
 - Developed comment writing function using **asynchronous processing of jQuery**.
 - **Designed the structure of the database** that uses SQLite.
 - **Implemented multiple social logins** using OAuth2.0 in order to provide easy and secure access to the service.
Tech: Django, Sqlite, Jquery, HTML, CSS, Heroku