

Hyunho Lee

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Education

University of Illinois at Urbana-Champaign

Bachelor of Science in Computer Science + Statistics

Expected: Dec 2024

GPA: 3.71/4.0

Diablo Valley College

Associate of Arts in Computer Science

Jan. 2018 – May 2019

GPA: 3.95/4.0

Professional Experience

Samsung Electronics

Android Developer Intern

Seoul, South Korea

July 2024 – Aug 2024

- Developed Samsung native app “Mode & Routine” using Samsung customized frameworks.

Ridi Corp

Data Engineer

Seoul, South Korea

Jan 2023 – Nov 2023

- Oversaw data processing projects, with a focus on implementing Apache Spark-based ETL pipelines. These pipelines play a crucial role in meeting customer requirements through our product and addressing diverse business needs.
- Developed practical ETL solutions, covering areas such as product recommendations, bestseller ranking, user tracking, revenue and financial insights, and Monthly Active Users (MAU) tracking.
- Effectively migrated ETL tasks from AWS EMR to EMR on Kubernetes, optimizing computing resources (EC2) and enhancing parallelism. This initiative resulted in a 50% reduction in processing time and a 60% decrease in costs.
- Utilized apache Airflow to orchestrate ETL jobs, guaranteeing well-managed sequences and timely execution of over 20 airflow jobs and 170 daily batch tasks with low service downtime.

Ridi Corp

Software Engineer Backend

Seoul, South Korea

March 2021- Jan 2023

- Developed backend server during the strategic pivot of the company's business model from mainly ebooks to a diversified portfolio encompassing webtoons, web novels, and other multi-content formats. Instrumental in achieving a remarkable financial outcome, contributing to a revenue of 170 million USD and a net income of 35 million USD, a 20% increase compared to pre-engagement metrics.
- Effectively implemented the majority of service APIs, guaranteeing stability through thorough testing. Managed an average of 24 million requests per day, achieving an impressive error rate of less than 1 percent and successfully reduced average API latencies by 30% and optimized redundant API requests by 15%.
- Migrated MSA services from Python and Kotlin into monolithic node.js, elevating system maintenance efficiency and overall productivity.
- Integrated feature rollout & rollback techniques while independently assessing options and leading strategic meetings with external partners such as LaunchDarkly. This streamlined decision-making for the product team, making releases more reliable and stable, resulting the number of new feature releases increased by 100%.

Ikigai Labs

Software Engineer Intern

Boston, MA, USA

May 2020- Aug 2020

- As an intern, contributed to building a prototype product for a startup based on MIT. Primarily used Python to create software programs, conducted unit tests, and established multiple APIs to integrate new features.

Leadership & Activities

Mappin

Founder & Mobile app developer

Champaign, IL

May 2024

- Deployed iOS app “Mappin” (landing page: <https://www.mappin.site>) to app store. Primarily developed in Flutter. Users have the capability to create custom map memos and pins, enabling interaction with other users by sharing their personalized maps. Recruited a member from my alumni network, aligning their role with their specialized skills. Independently managed the development schedule, taking into account business strategy considerations, and actively engaged in marketing efforts to expand our customer outreach.

Codable

Member of Startup Team

Champaign, IL

Aug 2019 – Feb 2020

- As a co-founder of a startup team, I played a pivotal role in the presentation of "studyMates," a web service designed to serve as a platform for students to exchange pertinent information regarding academics, careers, and personal achievements.

Skills & Certificate

Software: Typescript, Javascript, python, node.js, spark, airflow, kubernetes, redis, sql, redis, flutter, firebase, AWS