Seung Geon Lee

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Education

Seoul National University   Seoul, South Korea
B.S. in Computer Science And Engineering   Mar 2016 - Aug 2023*
* Have worked as a software developer since Dec 2019 (fulltime)

Gyeonggi Science High School for the Gifted   Suwon, South Korea
                                                                      Mar 2013 - Feb 2016

Work Experience

Visual Computing Lab, Seoul National University   Seoul, South Korea
AI Research Engineer   Apr 2024 – Present

Gravity Labs Co., Ltd.   Seoul, South Korea
Technical Lead, Founding Member   Aug 2022 – Apr 2024
- Developed mobile application Moneywalk as a technical lead and full-stack engineer.
- Managed a development team of 7 members.
- Was responsible for all technical domains.
- Attracted a cumulative investment exceeding KRW 2.7 billion within a single year.
- Achieved 2nd place in the App Store's free apps category and topped the health and healthcare app rankings.
- Garnered over 250,000 monthly active users.

Pagecall   Seoul, South Korea
Full Stack Engineer   Apr 2021 - Aug 2022
- Developed a real-time communication web application using React, RxJS, and Pixi.js.
- Optimized browser performance and reduced overheating through CPU and memory profiling.
- Enhanced canvas usability for tablet pinch gestures and handwriting by optimizing coordinate event data processing algorithms.
- Monitored performance metrics through statistical analysis using confidence intervals and t-tests.
- Introduced and developed custom ESLint rules with TypeScript for static code analysis.

Media Server Engineer   Dec 2019 - Apr 2021
- Launched and Developed a SFU media server based on Node.js, WebRTC.
- Developed an auto-scaling, multi-region infrastructure utilizing AWS services including Lambda, ECS, and DynamoDB.
- Developed a media client Javascript SDK and an admin console.
- Implemented a data pipeline with AWS Athena, Fluentd, Kinesis, and Glue.
- Analyzed and visualized media data to improve stability and media quality.

Machine Learning Lab, Samsung Research   Seoul, South Korea
Intern   2018 Summer (6weeks)
- Propose a measure of the learnability of a sample with a given deep neural network (DNN) model. [1]

Publications

[1] **S. Lee**, J. Kim, H. Jung, Y. Choe "Comparing Sample-wise Learnability Across Deep Neural Network Models",
in Proceedings of The AAAI Student Abstract Track, 2019

Skills & Languages

App/Web: Typescript, React, React Native, Rxjs, WebRTC, WebGL, Firebase
Server: Typescript, Node.js, AWS Lambda, MongoDB, AWS Dynamodb
Data Engineering: Fluentd, AWS Kinesis/Glue/Athena, GCP Bigquery/Dataflow
Visualization: Vega, Chart.js, Matplot
Deep Learning: Python, Keras
Languages: English(intermediate), Korean(native)

Projects

iSNU: Campus Information Mobile Application for Seoul National University   Sep 2021 - Dec 2021
- Available on the App Store and Google Play Store
- contributed with other 2 developers