

Sooyong Shin

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Current Position

KC-ML2

Seoul, South Korea

Research Intern

Aug 2024 – Present

- Research on **Tracking Recovery for Robot Mapping**
- Focused on tracking recovery in monocular visual SLAM using filtered text observations
- Skills: C++, Python, ORB SLAM3, YOLO, Paddle OCR

Education

Korea Advanced Institute of Science and Technology

Feb 2018 – Present

Bachelor of Science, Electrical Engineering, and Computer Science

Interest

AI/Vision Robotics

Interested in computer vision systems for robot perception, with a particular focus on Visual SLAM for real-time scene understanding, localization, and 3D environment reconstruction

Software Engineering

Developed an interest in software development through hands-on experience with web and mobile application projects

Work Experience

Bookend

Daejeon, South Korea

Software Engineering Intern

Dec 2022 – Feb 2023

- Developed **TYPHHERE**, a writer-publisher mobile platform designed to streamline and enhance the book publishing process
- Role: Front-End Engineer
- Skills: JavaScript(React-Native)

Software Engineer

May 2023 – Aug 2024

- Developed **Sentensify**([chrome webstore](#) [🔗](#)), a multilingual AI writing and paraphrasing tool leveraging a GPT-based large language model
- Role: Front-End Developer
- Skills: JavaScript(React)

Projects

KAIST Swimming Team KAORI Webpage

2024

- Developed a webpage to archive swimming records and member information, enabling analysis of trends and distributions (www.kaist-kaori.org [🔗](#))
- Role: Full-Stack developer
- Skills: JavaScript(React), Python(Fast API), MongoDB

Skills

Languages: JavaScript(TypeScript), Python, C++

Library/Framework: PyTorch

Frontend: React/React-Native, HTML, CSS

Backend: FastAPI, Express

Database: MongoDB, MySQL

Tools: Linux (Ubuntu), Git, Slack, Jira, Confluence

Leadership Experience

AI Robotics KR

Community Manager  

South Korea

Oct 2024 – Present

Republic of Korea Army

Sergeant, honorable discharge

Paju, South Korea

Mar 2019 – Nov 2020

Korean Red Cross Lifeguard

Daejeon, South Korea

Aug 2018 – Present

KASIT Swimming Team KAORI

Senior member

Daejeon, South Korea

Mar 2018 – Present

President of KAORI

2022

Chairman of KAIST Swimming Competition

2023