

# Yeongseok Lim

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## EDUCATION

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**University of Wisconsin-Madison**

*B.S. in Computer Science*

Madison, WI

*Sep 2022 – May 2026*

## EXPERIENCE

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**Software Engineering Intern**

May 2025 – Aug 2025

*Fasoo, Inc.*

*Seoul, South Korea*

- Developed an anomaly detection module for SAST cloud service to predict analysis runtime and identify abnormal analysis executions.
- Trained an XGBoost model on ~1,100 open-source repositories to predict analysis runtime, achieving an  $R^2$  score of 0.90.
- Integrated the prediction module into the production analysis pipeline and automated retraining and alerting workflows with GitHub Actions.

**Software Engineering Intern**

Mar 2026 – June 2026

*MoDoc AI*

*Boston, MA (Remote)*

- Built a LangGraph-based AI pipeline that converts pediatric health content into multilingual short-form videos for parent education.
- Designed agentic workflows for verifying medical claims before generating scripts and planning video scenes from the validated content.
- Built a clinician review workflow that packages generated scripts, source evidence, and reviewer notes for approval before publication.

## PROJECTS

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**Canvas Assistant** | *Java, Spring Boot, LangChain, MySQL*

Jan 2026 – May 2026

- Served as Product Owner for a 6-person Agile team, managing GitLab backlog items and prioritizing user stories across three sprints.
- Built LangChain assistant workflows that used Canvas page context to answer course questions and generate structured email or Piazza drafts.
- Developed backend support for chat sessions, course context retrieval, and assistant tool calls through the Spring Boot API.

**ClearSplit** | *Python, PostgreSQL, AWS, Docker, Azure*

Nov 2025 – Feb 2026

- Built a full-stack iOS app for managing groups, splitting itemized expenses, and generating simplified settlements.
- Implemented FastAPI and PostgreSQL backend logic for balance recomputation, settlement generation, and duplicate request prevention.
- Added S3 receipt uploads, OCR workers, and Azure Container Apps deployment with Docker and GitHub Actions.

**Pyrefly (Meta)** | *Open Source Contribution*

Mar 2026

- Contributed open-source Python type checker and language server, by fixing a Rust bug in IDE symbol search ranking.
- Added language server regression tests to verify that symbol search returns original Python implementations before package exporting

## TECHNICAL SKILLS

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**Languages:** Python, Java, TypeScript/JavaScript, SQL

**Backend:** FastAPI, Spring Boot, Django

**Databases:** PostgreSQL, MySQL, Supabase, Redis

**ML/AI:** LangGraph, LangChain, XGBoost

**DevOps & Testing:** Docker, GitHub Actions, Azure, AWS, pytest, JUnit