

Yeongseok Lim

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EDUCATION

University of Wisconsin-Madison

B.S. in Computer Science

Madison, WI

Sep 2022 – May 2026

EXPERIENCE

Software Engineer Intern

Fasoo, Inc. (B2B SaaS security company)

May 2025 – Aug 2025

Seoul, South Korea

- Developed an anomaly detection feature for a commercial SAST cloud service to predict analysis runtime and identify abnormal job executions.
- Built a training dataset from ~1100 GitHub repositories across 5 languages, extracting 28 code metadata features and improving runtime prediction R^2 from 0.29 to 0.93 with XGBoost.
- Integrated the prediction module into the analysis pipeline and automated retraining and alerting workflows with GitHub Actions for a production release.

AI Automation Developer

MoDoc AI (Industry Collaboration Project)

Mar 2026 – Present

Boston, MA (Remote)

- Built an automated AI pipeline that converts medical Q&A CSV datasets into 30-second short-form videos using Claude and Veo 3 via the Gemini API.
- Orchestrated data parsing, script generation, and video synthesis into a repeatable workflow for medical explainer content.

PROJECTS

ClearSplit | *FastAPI, PostgreSQL, Redis, Celery, Docker, Azure*

Nov 2025 – Feb 2026

- Built an expense-sharing app where users can manage groups, split itemized expenses, and review simplified settlement suggestions.
- Implemented backend logic for balance recomputation, settlement generation, and duplicate request prevention using FastAPI and PostgreSQL.
- Added S3 receipt uploads with Celery OCR workers and deployed the backend on Azure Container Apps using Docker and GitHub Actions.

Canvas Assistant | *Chrome Extension, Spring Boot, MySQL, Docker*

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 a Canvas reminder feature with backend scheduling, active reminder retrieval, dismiss flows, and configurable notification intervals.
- Integrated in-page reminder banners into the Chrome extension so students could receive deadline alerts directly inside Canvas.

Pyrefly (Meta) | *Rust, LSP, IDE Tooling*

Mar 2026

- Merged a PR into Meta's open-source Python developer tool, fixing an IDE symbol search bug for re-exported symbols.
- Added integration tests that simulate editor interactions to verify the language server behavior end-to-end.

TECHNICAL SKILLS

Languages: Python, Java, TypeScript, SQL, Rust

Frameworks & Libraries: FastAPI, Spring Boot, Celery, XGBoost

Databases & Caching: PostgreSQL, MySQL, Redis

Cloud & DevOps: Docker, GitHub Actions, Microsoft Azure, AWS S3

Developer Tools: Git, Linux, pytest, Postman, Azure CLI