

Jun Kit Lim

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EDUCATION

University of Michigan (College of Engineering)

BSE Computer Science || Minor in Mathematics

Ann Arbor, MI

August 2022 – Present

- **CGPA:** 3.98, **Major CGPA:** 4.0
- **Coursework:** Advanced Data Structures, Computer Networks, Intro to Machine Learning, Distributed Systems, Operating Systems, Parallel programming with GPU, Web Systems, Computer Organization, Data Structures & Algorithms, Programming Paradigms, Foundations of CS, Combinatorics, Linear Algebra, Discrete Math

SKILLS

Programming Languages: C/C++, Python, JavaScript, TypeScript, HTML, CSS, Go, Rust, Bash, Makefile, MATLAB, R, SWI-Prolog, Scheme

Technologies: Linux (Ubuntu 24.04, Debian 12, WSL2), Git, GitHub Actions, Docker, AWS (S3, EC2, DynamoDB, ECR, Amplify, Lambda, SQS), Flyte, React, Flask, CMake, CUDA

WORK EXPERIENCE

Optiver US LLC

SWE Intern || Tech Stack: C/C++, CMake, Python, Jenkins

Chicago, IL

June 2025 – August 2025

- Enhanced a network traffic monitoring app used across 17+ exchanges to decode and write order/trade data for compliance reporting by implementing two-tier session-level filtering, enabling cancel-on-behalf handling for CME, laying groundwork for multi-entity output per instance, and developing a timezone-aware utility class
- Integrated the ICU library into a trading and monitoring monorepo by adding pinned builds for AlmaLinux 9 and CentOS 7, creating reusable CMake modules, and resolving CI issues with custom Jenkinsfile scripts
- Developed unit and integration tests using both an in-house framework and GoogleTest; majority of code deployed and running in production

Keysight Technologies

R&D SWE Intern || Tech Stack: Python, C/C++, CMake, Bash, Makefile

Penang, Malaysia

May 2024 – July 2024

- Built a Python GUI for displaying real-time instrument data featuring AI-driven navigation and analysis features
- Automated C++/Python binding builds using Bash, Makefiles, and CMake, streamlining compilation, dependency management, and error detection

Tapway

AI Engineer (MLOps) Intern || Tech Stack: Angular, TypeScript, Python, Docker, AWS

Selangor, Malaysia

May 2023 – August 2023

- Maintained a scalable microservices backend for an ML training and analytics app, enhancing auto-labeling and training workflows through AWS services and ML tooling
- Added two post-processing stages into the training pipeline to handle model exports and dataset uploads
- Deployed an image auto-labeling model on a serverless GPU (RunPod) for on-demand inference
- Implemented a client-side data validation module for YOLO-format datasets in TypeScript and optimized COCO-format analysis, reducing runtime on a 1.3GB dataset by 96% (17s → 0.7s)

PROJECTS

deTrash (HackOHIO – 2nd place ENGIE Sponsor Challenge)

Tech Stack: Python, Docker, Flask, AWS, Sveltekit, TypeScript, HTML, CSS, Vercel

Columbus, OH

October 2023

- Designed a Dockerized Flask backend for a web app to identify litter from images, store geolocation data using AWS DynamoDB, and provide up-to-date recycling suggestions following state laws
- Leveraged AI tools like YOLOv5 and LangChain for object detection and text generation respectively

Let's Cook! (HackGT X – 1st place in Sustainability Track)

Tech Stack: Python, Docker, RunPod, TypeScript, Next.js, Tailwind CSS, Vercel

Atlanta, GA

October 2023

- Launched a Dockerized microservices backend for AI recipe app on serverless GPU; used YOLOv8 for ingredient detection and optimized filtering of 300K+ recipes in under 2 seconds