

Christopher Kusmana

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Education

University of California at Los Angeles (UCLA), Los Angeles, CA

Major: B.S. Statistics & Data Science

A.S. in Computer Science & Mathematics

Cumulative GPA: 3.96 / 4.00

Expected June 2026

Relevant Coursework: Machine Learning & Data Mining, Algorithms & Data Structures, Computational Statistics & Optimization, Statistical Modeling (Linear/Regression), Programming in R & Statistical Computing, Monte Carlo Simulation

Work & Co-Curricular Experience

KYC Data Science Intern & Applied AI Engineering - GoTo Group

June 2025 - September 2025

- Productionized **computer vision and speech models** (OCR, ASR, TTS) powering KYC and voice-agent infrastructure for millions of Gojek & GoPay users, using containerized deployment and metric-driven monitoring to ensure reliable, scalable rollout.
- Architected and deployed a document OCR and validation pipeline for Singapore driver onboarding, cutting manual verification **by ~37%**, processing **40K+ monthly uploads**, and reducing operational cost via post-processing heuristics and role-specific document rules (license, income, insurance)
- **Reduced voicebot latency & inference cost** by introducing **TTS caching** and replacing neural voicemail detection with **audio-embedding similarity**, cutting response time from multi-second to sub-second behavior and improving routing accuracy for customer queries.
- **Led and scaled a TTS data-collection and training pipeline** by authoring SOPs and building automated QA systems, producing **2,000+ curated speech hours**, boosting TTS model's MOS **from 3.1 → 4.2**, and cutting labeling cost **65%** with ops dashboards adopted by **11 contributors**.

Software Engineering Intern, BioStrive

October 2024 - January 2025

- Developed backend data APIs (FastAPI + PostgreSQL) improving throughput **by 30%**, enabling delivery of patient analytics features to MedTech partners

Business Operations Analyst Intern, The Collective

October 2024 - March 2025

- **Built a structured AI/fintech investment evaluation database** used for **\$2M+ sourcing decisions**, improving due-diligence speed by enabling investor-founder matching based on strategic fit, market traction, and tech defensibility.

Achievements

Google Health Business Case Competition (1st Place)

September 2022 - December 2022

- Built an LLM-driven chronic care assistant mobile app prototype using NLP symptom modeling; presented to Google PMs, winning **1st place out of 12 teams** for business impact.

Skills

Languages: Python, C++, SQL, JavaScript, R

ML/AI: ASR/TTS, OCR/Document AI, Computer Vision, PyTorch, HuggingFace, Multimodal LLMs, RAG/LangChain

Systems: Data Pipelines, MLops, Model Deployment, Prompt Engineering, DevOps, FastAPI, Docker