

WINSTON LIM

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Location: Mountain View, CA, USA

WORK EXPERIENCE

Databricks – Object Storage, Security

Jun 2025 – Aug 2025

Software Engineer Intern

- Designed a distributed async job scheduler re-keying engine with idempotent retry in Scala, enabling cryptographic key rotations for ~20% of exabyte scale object storage, ensuring compliance with enterprise SLAs especially for incident management and disaster recovery
- Extended Apache Hadoop connectors in Java and Scala by supporting server-side encryption in storage connectors, enabling managed encryption for >100B objects in GCP

Bytedance – Global Payments, Payment Network

Aug 2024 – Nov 2024

Software Engineer Intern

- Designed and built Indonesia's payment channel service APIs in gRPC conforming to the National Open API Payment Standard (SNAP), achieving 100% regulatory compliance
- Unified all e-wallet payments in Indonesia by supporting the migration of payment methods to a single payment channel service, standardizing processing for >20M payment methods

Coinbase – International Payments, SEPA

May 2024 – Jul 2024

Software Engineer Intern

- Designed and shipped a vendor-check API used by >30 payment channels in a microservice architecture, reducing new vendor integration time by ~50% by abstracting routing configuration into a per-payment-method layer and eliminating the need for platform-level code changes
- Engineered an intelligent routing strategy for SEPA deposits by implementing channel service logic in gRPC that automatically redirects users ineligible for virtual account transfers to a secondary vendor, leading to a 100% increase in the number of deposits for these users

TikTok – Trust & Safety, Risk Detection & Prevention

Jan 2024 – Apr 2024

Software Engineer Intern

- Designed and drove an organization-wide adoption of a personally identifiable information (PII) anonymization distributed service using gRPC and MySQL, enabling cross-team data joins while achieving 100% GDPR compliance for all data pipelines across >5 teams
- Reduced pipeline failure MTTD by >80% across >5 Trust & Safety teams by implementing Change Data Capture (CDC) ETL pipelines in Apache Hive and ClickHouse to aggregate real-time content moderation metrics

TikTok – Trust & Safety, Web Infrastructure

Aug 2023 – Dec 2023

Software Engineer Intern

- Built a multi-tenant low-code solution in React, Nest.js, and MongoDB for constructing and releasing JSON (DSL) configuration files, reducing feature development time by >70%

EDUCATION

National University of Singapore (NUS)

Aug 2021 – Dec 2025

Bachelor of Engineering in Computer Engineering with Honors (Distinction)

- Teaching Assistant for Object Oriented Programming (CS2030) across 3 semesters, mentoring ~45 students total and maintaining a 4.7/5.0 satisfaction rating through weekly lab sessions

TECHNICAL SKILLS

- Languages: C++, TypeScript, JavaScript, Java, Scala, Go, Python, SQL
- Frontend: React, Next.js, GraphQL, Redux, Zustand
- Backend: gRPC, Protobuf, Node.js, MongoDB, MySQL, PostgreSQL, Kafka, Hadoop
- Infrastructure: Docker, Kubernetes, Terraform, Prometheus
- Cloud Platforms: GCP (Google Cloud Platform), AWS (Amazon Web Services)