WINSTON LIM

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WORK EXPERIENCE

TikTok – Backend Engineer Intern, Risk Prevention   **Jan 2024 - Present**

- Building a Go service for aggregating data from Hive and MySQL tables to gain business insights from TikTok's content moderation pipelines.
- Skills: Golang, SQL, MySQL, Redis, gRPC, Apache Thrift, Apache Hive

TikTok - Fullstack Engineer Intern, Web Infrastructure   **Aug 2023 – Dec 2023**

- Built a low-code web client/server for constructing and releasing JSON configuration files to reduce development time of building UI configurations by over 50% and enables collaboration with non-technical stakeholders.
- Developed a branching feature that to enable merging configurations to crucially mitigate release overwrites and developed a preview environment to prevent production errors.
- Skills: Typescript, Node.js, MongoDB, Redis, Webpack Module Federation, React.js

TikTok – Frontend Engineer Intern, Product   **May 2023 – Jul 2023**

- Implemented multiple crucial build migrations, including adoption of new package manager (PNPM) and web framework (ModernJS) to gain improvement in overall performance and achieve 100% compliance adherence in Q2.
- Refactored crucial parts of codebase with modern, performant, and reusable components to reduce technical debt and enhance code quality and maintainability.
- Skills: Typescript, Webpack, Modern.js, React.js, Redux.js

Binance - Software Engineer Intern, Product   **Dec 2022 - Apr 2023**

- Rebuilt the entire onboarding flow for Binance Merchants to streamline the application flow and enhance user experience resulting in a 66% quarter-over-quarter surge in merchant transaction volume.
- Designed and implemented the incremental adoption of a modern state manager (Zustand), leading to better performance and a potential reduction in state management bundle size of 90%.
- Skills: Typescript, React.js, Redux.js, Zustand

National University of Singapore - Undergraduate Teaching Assistant   **Jan 2023 - Apr 2023**

- Taught Introduction to Object Oriented Programming in Java.
- Managed and collaborated with other tutors to deliver weekly tutorials for a class of 20 students, fostering a collaborative and interactive learning environment.
- Achieved a top 10% teaching rating of 4.7 / 5.0 in the School of Computing, demonstrating exceptional instructional skills and mastery over taught topic.

EDUCATION

National University of Singapore   **Aug 2021 - Apr 2025**
Bachelor of Engineering in Computer Engineering

- Relevant Coursework: Computer Engineering Principles and Practice(A), Object Oriented Programming in Java(A), Software Engineering (A-), Database Systems(A-)

TECHNICAL SKILLS

- Experienced Languages: Golang, C++, TypeScript, Java, SQL, HTML, CSS
- Technologies: gRPC, MongoDB, Express.js, React.js, Next.js
- Tools: Jest