

Evan Huang

☎ 213-619-4870 ✉ evanhuang1997@gmail.com  [linkedin.com/in/evan-h77](https://www.linkedin.com/in/evan-h77)  <https://hyflying.github.io>

Education

University of Southern California

Master of Computer Science

Aug 2023 – May 2025

Los Angeles, CA

Dalian University of Technology

Bachelor of Engineering in Computer Science and Technology (Japanese Intensive)

Sep 2016 – Jun 2021

Dalian, China

Skills

Languages: Java, Python, TypeScript, MySQL, Redis, Objective-C, C, C++, JavaScript, HTML/CSS

Frameworks/Tools: Guice, Spring Boot, AWS, Git, React.js, React Native, Linux, RabbitMQ

Core Courses: Data Structures and Algorithms, Computer Networks, Operating Systems, Compiler Principles, Object-Oriented Programming, Software Engineering, Database System Principles

Work Experience

Amazon

May 2024 – Aug 2024

Software Engineer Developer Intern

Beijing, China

- Developed and maintained new features for cross-border transaction system using Java, Kotlin, and various Amazon Web Services including Simple Queue Service, EventBridge, DynamoDB, Lambda, and S3.
- Upgraded 6 services from JDK 8 to JDK 17, achieving an average reduction of 10% in P99 latency and CPU utilization.
- Added and refactored unit tests for 5 packages, ensuring over 85% line coverage and 80% branch coverage.
- Refined the event publishing logic in existing code after conducting a thorough investigation of EventBridge and DynamoDB, effectively resolving a critical severity level 2 issue caused by DynamoDB throttling.
- Onboarded CloudCover tool to obtain integration test code coverage reports, improving code quality.

MeiTuan

Jul 2021 – May 2022

iOS Developer Full-time

Beijing, China

- Contributed to an online grocery application with over 42,000 downloads on the App Store using Swift.
- Introduced entry points from other MeiTuan apps using Typescript, React Native framework and CSS Flexible Box Layout, providing access to primary user base of over 5000,000 on both iOS and Android platforms.
- Completed 30+ development tasks, modified 30,000+ lines of code without any bugs, raising user satisfaction by 18%.
- Increased instant page load rate from 95% to 99% by preloading JSON data of initial page through API request.
- Implemented the Abstract Factory design pattern for flexible runtime code implementations to standardize the sharing feature and maintain a scalable development platform.

MeiTuan

Nov 2020 – Jan 2021

iOS Developer Intern

Beijing, China

- Developed a recipe app with comprehensive assistive feature for cooking and capability to parse JSON data from app mock, by using Objective-C on XCode and following the Model View Controller design pattern.
- Architected a privacy controller by Swift and designed privacy management page via React.js, allowing users to query and adjust permissions for location, camera and photos within a single page, ensuring user privacy.

Project Experience

E-commerce Flash Sales | Java, Spring Boot, Redis, MySQL, RabbitMQ, JMeter

May 2023 – Aug 2023

- Crafted and deployed Java-based Spring Boot backend architecture for simulating E-commerce flash sale.
- Minimized MySQL queries by using Redis as in-memory data store to cache frequently accessed data.
- Leveraged RabbitMQ for asynchronous order placement to reduce database load by 50% in flash sale scenarios.

Database Management System | C++, CMake

Feb 2023 – May 2023

- Developed a simple relational database management system with C++ based on Bustub project.
- Completed the basic functions of Bufferpool, including key features like writing dirty pages back to disk.
- Utilized extendible hash index for fast data retrieval, supporting thread-safe search, insertion, and deletion.