

# Ivan Teo

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## EDUCATION

### Nanyang Technological University

*Bachelor of Engineering Science in Computer Science*

*Master of Science in Technology Management*

**Singapore**

*Aug 2020 – Dec 2024*

*Aug 2020 – Dec 2024*

- **Awards:** Renaissance Engineering Programme Scholarship.
- **GPA:** 4.8/5.0, Expected Honours (Highest Distinction).
- **Clubs & Societies:** Head of Publicity for Course Orientation 2021, Head of REHub Entrepreneurship Club '21/'22.

### University of California, Berkeley

*GLOBE Visiting Student*

**Berkeley, CA**

*Aug 2022 – May 2023*

## RECENT WORK EXPERIENCE

### Robinhood Markets, Inc.

*iOS Mobile Engineering Intern, Crypto/Web3 Team*

*iOS Mobile Engineering Intern, Margin & Stock Lending Team*

**New York, NY**

*May 2023 – Aug 2023*

*May 2024 – Aug 2024*

- Developed revenue-generating and customer-acquiring features using a VIPER styled software architecture in the Robinhood app and Wallet app.
- Owned multiple iOS features, collaborating between cross-functional teams to ensure the successful conceptualization, development and delivery of high impact features.
- Designed and implemented unit tests and end-to-end tests to guarantee functionality across diverse user scenarios.
- Upgraded legacy code to use multi-platform frameworks to maintain a modern codebase and shorten release cycle duration.
- Developed flexible server-driven UI flows and endpoints across a wide range of microservices.
- Raised, diagnosed and resolved high priority bugs, using various debugging tools and techniques to minimise downtime.

### Grab

*iOS Mobile Engineering Intern, GEO Team*

**Singapore**

*Jan 2022 – Aug 2022*

- Developed map-related features on production using the Model-View-Intent (MVI) architecture for a crowdsourcing SDK integrated in the Grab passenger and driver applications with over 12,800,000 monthly users.
- Wrote comprehensive unit tests and snapshot tests to maintain a test coverage of 85%.
- Presented a proposal for the implementation of newer and more efficient technologies and frameworks for the SDK, such as server-driven UI and dark mode integration.
- Proposed and implemented a bash and python script to automate the string updating process, reducing the engineering effort required by 90%.
- Responded to and resolved open-production issues, including high priority crashes and urgent bug fixes.

### Tetsuyu Healthcare Holdings

*iOS Mobile Engineering Intern*

**Singapore**

*Aug 2021 – Dec 2021*

- Developed features in a patient care management mobile application in Swift and Objective-C.
- Performed extensive functional and end-to-end testing for new and existing features within the application.

### NTUitive

*Front End Web Developer Intern*

**Singapore**

*Jun 2021 – Aug 2021*

- Created web interfaces to interact with smart contracts and the IPFS, for blockchain start-ups in an accelerator, using React and Web3 libraries.
- Collaborated with designers and product managers to improve overall user-experience and design of web pages.

## PROJECTS / HACKATHONS

**iOS Applications:** Developed a digital jukebox app, iPhone vibration controller, and location-based bus timing tracker.

**Blockchain:** Created a quadratic-funding enabled donation platform (won Spark, Pendle and Mantle bounties in Ethereum Singapore 2023), a liquidation bot to liquidate unhealthy loans on Aave, using flash loans and Uniswap Router V3, and a Purpose Bound Money implementation based on the whitepaper published by the Monetary authority of Singapore.

**IoT / Full-stack:** Built a QR-code based IoT locking mechanism prototype for trolleys.

## SKILLS

**Software Engineering:** Swift, Objective-C, Python, JavaScript, HTML, CSS, React.js, Node.js, MongoDB, XCode, Git, Unit Testing, RxSwift, Combine, SwiftUI, Solidity, Go, Server-Driven UI.

**Management:** Agile Methodology, Jira, UI Design, Figma, Accounting, Financial Management, Strategic Marketing, Digital Transformation, Business Law.