

# DON CHIA

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## EDUCATION

**National University of Singapore**  
*IMDA SG:Digital Scholarship*  
Computer Science & NUS College

**Singapore, SG**  
*08/2024-Present*

## WORK EXPERIENCE

### NOSSAFLEX

**Melbourne, AU & Fredericksburg, USA**

*Chief iOS Frontend Developer*

*05/2020-Present*

- Led the frontend development of NOSSAFLEX as the lead developer in an international team of developers from USA and Australia
- Collaborated closely with the lead designer to implement NOSSAFLEX's iOS frontend
- Consulted Apple Design Evangelist and leveraged the power of Apple's new SwiftUI framework
- Employed Model-View-ViewModel (MVVM) architecture and worked in close collaboration with senior tech lead from the USA, ensuring streamlined development and exceptional code quality
- Core tools used include **UIKit/SwiftUI, AVFoundation, Core Data** and **Firestore**

### SAF Signals Cloud & Digital Office

**Singapore, SG**

*Software Engineer*

*11/2023-08/2024*

- Worked alongside army regulars to create cross platform app that targets troopers deployed for overseas joint exercises
- Made use of skills in Figma, React Native alongside backend architecture such as Firebase and Flask
- Applied knowledge in Model-View-Controller (MVC) architecture and collaborated with senior officers to deploy app for troopers
- Efforts were recognised by Chief Signals Officer, other formations leaders and Chief of Army
- Core tools used include **React Native, Kotlin Jetpack Compose, SwiftUI, Vue3, Pinia** and **TailwindCSS**

### Fundigo Co.

**Singapore, Singapore**

*Project Manager & Fullstack Web Developer*

*06/2022-Present*

- Effectively led and coordinated a small team of experienced international developers from the SEA region, ensuring quality code and efficient work
- Revamped the UI of Fundigo's cross-platform app by making use of Google's Material 3 design language to enhance user engagement and visual appeal
- Contributed significantly to the development of the merchant portal by employing Vite + Vue3 & Pinia data store
- Applied knowledge in Model-View-ViewModel (MVVM) architecture to create merchant portal in Vue3 & TailwindCSS for client use
- Core tools used include **Vue3, Pinia** and **TailwindCSS**

### Starbloom

**Charlotte, USA**

*React Engineer*

*06/2024-Present*

- Worked with Next.JS to create a next generation HR SaaS tool targeting corporations based out of North Carolina, USA
- Made use of Tailwind's brand new UI component set and integrated APIs from Xano
- Worked closely with Project Manager to integrate Agile workflow into the development of the frontend application
- Made use of React Query and TanStack Library APIs to implement data management and flow for web app
- Core frameworks used include **React, React Query, TanStack & TailwindCSS**

### Current Mobility

**Palo Alto, USA**

*iOS Engineer*

*10/2023-03/2024*

- Collaborated with founder to aid in the design and development of iOS application
- Made use of SwiftUI and MapKit to create innovative solution for EV owners to charge their vehicles in the state of California
- Applied prior knowledge and experience of Model-View-ViewModel (MVVM) architecture and collaborated with senior tech lead to successfully deploy app for various stages of funding
- Core frameworks used include **UIKit/SwiftUI & Firestore**

## ACHIEVEMENTS & AWARDS

**Apple Entrepreneur Camp 2023 - Analog by NOSSAFLEX**

**Cupertino, USA**

*Accepted*

*11/2023*

- Analog was accepted into Apple's Entrepreneur Camp 2023, an international programme designed to support developers providing access to Apple Engineers and Leaders to accelerate the growth of their app-driven business
- Our application was praised by mentors from Apple for having a beautiful yet UX-driven design that successfully applied Apple's Human Interaction guidelines

## **Apple Design Awards 2024 - Analog by NOSSAFLEX**

**Cupertino, USA**

*Shortlisted by Apple South Asia*

*03/2024*

- Analog was shortlisted by Apple South Asia Developer Relations team and submitted to Apple Cupertino HQ for consideration in Apple's annual Design Award
- Apple's South Asia Developer Relations team praised Analog for its adherence to Apple's Human Interaction guidelines while adding a unique UI spin to the application's design

## **Apple Inc. WWDC Swift Student Challenge 2021**

**Cupertino, USA**

*Awarded*

*03/2021*

- Clinched prestigious Apple WWDC SSC award by submitting an innovative project that educated users on the fundamentals of web development through engaging **HTML/CSS** concept lessons
- Developed award-winning project by using **SwiftUI** and **Swift Playgrounds**, demonstrating technical prowess and creativity
- Showcased skills by competing with talented students from across the globe and ultimately received recognition from Apple for achievement

## **Apple Inc. WWDC Swift Student Challenge 2022**

**Cupertino, USA**

*Awarded*

*03/2022*

- Winning project was an exploration of modern line art and generative artwork, combining programming concepts like recursion with art in **Swift Playgrounds**
- Project was once again awarded among global competitors due to creativity and technical showcase

## **Soldier of the Year - for Contributions Towards the Army's Digitalisation Efforts**

**Singapore, SG**

*Awarded*

*05/2024*

- Awarded NSF of the Year for going above and beyond by contributing to the OMNIA application that was used in Exercise Forging Sabre and also for founding Signals Cloud & Digital Office

## **Open Government Products - Build for Good 2024**

**Singapore, SG**

*09/2024*

- Shortlisted by OGP to participate in Build for Good, a hackathon jointly supported by OGP and SG Gov Partnerships Office
- Worked in a team of 5 to push out an MVP solution to bridge the gap and encourage the growth of food rescue missions in Singapore
- Our team's MVP was pushed out within a month and 2 food rescue organisations made use of it, reducing administrative workflow friction. The end product was eventually featured in local news network

## **MINDEF/SAF Innovation Award 2023 - OMNIA Application by Signals Cloud & Digital Office**

**Singapore, SG**

*Awarded*

*12/2023*

- OMNIA web application was awarded SAF's Innovation Award in 2023, it successfully served its purpose as a management app for Exercise Forging Sabre held in Idaho, USA
- The project was fleshed out and used in SAF's annual Exercise Wallaby held in Australia in 2024

## **MINDEF/SAF Microsoft365 Hackathon - KeyChain Application by Signals Cloud & Digital Office**

**Singapore, SG**

*1st Runner Up*

*07/2024*

- KeyChain is a digital keypress book built on top of Microsoft's Power Application platform. I led the team by designing our application flow using **Figma** and **Apple's Human Interface Guidelines**
- Application is in trial phase at Stagmont Camp, increasing efficiency and reducing paperwork errors for hundreds of regulars and NSFs

## **VOLUNTEER ROLES AND LEADERSHIP**

### **iOS Conference SG & iOS Dev Scout**

**Singapore, SG & Cupertino, USA**

*Event Organiser*

*04/2024-Present*

- Volunteered as an organiser and speaker for iOS Conference SG, Singapore's biggest community of developers for Apple's software platform
- Helped organise and speak at the community's annual US event, held at Cupertino during Apple's WWDC week

### **FOSSASIA**

**Singapore, SG**

*Frontend Web Developer*

*06/2023-08/2023*

- Engaged in collaboration with developers from around Asia and contributed to FOSS project made in **Vue3**
- Applied the open-source project workflow, utilising Git for seamless version control and effective code management

## **SKILLS**

**Web:** Vue.JS, React, Flask, SQL, MongoDB, AWS, Firebase, Figma

**Native App:** Swift, Kotlin, SwiftUI, SwiftData, Kotlin Jetpack Compose, Figma, Material Design, Apple Human Interface Guideline

**Cross-Platform App:** JavaScript, Dart, React Native, Flutter

**Others:** Git, Python