

# DON CHIA

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## EDUCATION

### Dunman High School

*A-Level Integrated Programme*

H2 Computing, H2 Math, H2 Economics, H1 Physics, H1 General Paper, H1 PW

Singapore, SG

01/2016-12/2021

### National University of Singapore

*IMDA SG:D Scholarship*

Computer Science & NUSCollege

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 **Firebase**

### 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**

### Freelance Vue.JS Developer

USA

*Web Developer*

01/2023-Present

- Successfully developed and deployed various versions of my innovative Vue.JS Web OS template, catering to a diverse range of clients
- Clientele ranged from Los Angeles-based Photography Freelancer, Miami-based Music Production Company and Media Company in Nevada
- Custom functions and new windows were tailored to precisely fit client's unique requirements
- Core frameworks used include **Vue2** & **Vuex**

## PROJECT & INTERNSHIP EXPERIENCE

### OMNIA - Singapore Armed Forces (6th Division)

Singapore, SG & Idaho, USA

Fullstack Web Developer

08/2023-10/2023

- Deployed a web app tailored to the needs of approximately a thousand troopers participating in Exercise Forging Sabre 2023, conducted at Mountain Home, Idaho
- The web app boasted a diverse array of forms tailored for trooper usage, alongside advanced functionalities such as real-time tracking of vehicles and RFID login for users. It was implemented with **Flask**, **MySQL**, **Vue3** and **TailwindCSS**

### 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

## ACHIEVEMENTS & AWARDS

### 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

### Apple Entrepreneur Camp - 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

### 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

### 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

### 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

### 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

## LEADERSHIP & VOLUNTEER ROLES

### 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

## 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