DON CHIA

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EDUCATION

National University of Singapore   **Singapore, SG**
IMDA SG:Digital Scholarship   *08/2024-Present*
Computer Science & NUSCollege

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 an 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** & **Firebase**

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**
Secured Funding from OGP   *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 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 and we secured funding from OGP

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