

DON CHIA

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SUMMARY

Young and passionate software engineer and UI designer with a track record of successful collaboration with diverse international and local teams, driving innovation and delivering exceptional solutions.

EDUCATION

Dunman High School

A-Level Integrated Programme

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

Singapore, Singapore

01/2016-12/2021

WORK EXPERIENCE

NOSSAFLEX

Chief iOS Frontend Developer

Melbourne, Australia & Fredericksburg, USA

05/2020-Present

- Spearheaded the frontend development of NOSSAFLEX as the lead developer in an international team of developers from the 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

Current Mobility

iOS Engineer

Palo Alto, USA

10/2023-Present

- 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

Singapore Armed Forces

Cross-Platform App Developer

Singapore, Singapore

11/2023-Present

- 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

AmityConnect

Frontend iOS Developer and Lead UI/UX Designer

Charlottesville, USA

11/2021-03/2022

- Led the team by designing the frontend UI using Figma in accordance to Apple's Human Interface Guidelines for an intuitive user experience
- Translated the design to iOS by once again leveraging on Apple's SwiftUI framework
- Collaborated effectively with students from University of Virginia and ML/AI researcher from the Netherlands, fostering innovation and teamwork

Freelance Vue.JS Developer

Web Developer

USA

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 F&B Shop in Utah
- Custom functions and new windows were tailored to precisely fit client's unique requirements

Fundigo Co.

Project Manager, Frontend Web Developer & Lead UI/UX Designer

Singapore, Singapore

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 Vue.JS and Tailwind CSS to create a feature rich, user-friendly interface
- Applied knowledge in Model-View-ViewModel (MVVM) architecture to create merchant portal in Vue.JS for client use

PROJECT & INTERNSHIP EXPERIENCE

Singapore Armed Forces, 6th Division

Fullstack Web Developer

Singapore, Singapore & Idaho, USA

08/2023-10/2023

- Deployed a web app tailored to cater 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, Vue.JS and TailwindCSS

Singapore Armed Forces, 10 C4I Battalion**Singapore, Singapore***Web Developer*

08/2023-10/2023

- Implemented “phygital” web app for SAF School Partnership Program (SSPP). The web app served as an interactive app that incentivised students to visit and engage every booth to accumulate stamps by scanning QR Codes provided by each booth
- Web app features functions to scan QR Codes and was implemented using Vue.JS and TailwindCSS

FOSSASIA**Singapore, Singapore***Frontend Web Developer*

06/2023-08/2023

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

ACHIEVEMENTS**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

Best Soldier of the Month (SAF/10C4I)**Singapore, Singapore***Signal Operator/Transport Operator*

05/2023

- Proactively volunteered for unit’s photography and media team to help capture important high-key events and parades across the year
- Actively participated and provided support as a Signal Operator and Driver in Exercise Diamond Achilles and also volunteered to participate in Exercise Wallaby

NUS EEE STEP Camp**Singapore, Singapore***Merit Award*

06/2019

- Collaborated with students from ASEAN to develop an autonomous car and successfully clinched the merit award
- Utilised C++, Python, Arduino and various Raspberry Pi Modules to create an innovative project

National Robotics Challenge**Singapore, Singapore***Champion in Content & Champion in Presentation*

08/2018

- Researched on the feasibility of vertical farms and sustainable farming techniques in Singapore
- Employed Virtual Reality headsets to present comprehensive content, allowing immersive experiences of vertical farms and community gardens captured with a 360° camera.

CO-CURRICULAR ACTIVITIES & LEADERSHIP ROLES**International Strategic Affairs Council (Model United Nations)****Singapore, Singapore***Director of Design Department*

01/2020-09/2021

- Actively participated as a member of the Crisis Staff for Dunman High ASEAN Plus Summit 2020, skilfully navigating sudden changes from an in-person conference to an online writing competition amid the challenges posed by Covid-19
- Demonstrated leadership skills as the Director of Design Board for Dunman High ASEAN Plus Summit 2021, successfully managing a team of students and spearheading the development of eye-catching websites and posters for the event

Robotics & Infocomm**Singapore, Singapore***Secretary*

01/2016-12/2020

Dunman High School Youth Alumni**Singapore, Singapore***Technology Executive*

06/2023-Present

- Actively participated and volunteered in DHS Youth Alumni committee as a technology executive
- Spearheaded project to modernise the current DHS Alumni website by using Full Stack Vue.JS and Headless CMS

SKILLS

Web: HTML/CSS/JS, Vue.JS, Flask, SQL, MongoDB, AWS, Figma | App: Swift, Kotlin, SwiftUI, SwiftData, Kotlin Jetpack Compose, Figma, Material Design, Apple Human Interface Guideline | Others: Dart, Git, Python, Flutter