

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, SG

01/2016-12/2021

WORK EXPERIENCE

Analog by NOSSAFLEX

Chief iOS Frontend Developer

Melbourne, AU & 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 Ministry of Defence

Cross-Platform App Developer

Singapore, SG

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

OMNIA - Singapore Armed Forces (6th Division)

Fullstack Web Developer

Singapore, SG & 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

FOSSASIA

Frontend Web Developer

Singapore, SG
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

SAF Innovation Award 2023 - OMNIA Cross-Platform Application

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

Apple Entrepreneur Camp - Analog by NOSSAFLEX

Cupertino, USA

Accepted

11/2023

- Analog was accepted into Apple's Entrepreneur Camp 2023, A program designed to support developers providing access to Apple Engineers and Leaders to accelerate the growth of their app-driven business

Best Soldier of the Month - Software Engineer Specialist

Singapore, SG

Software Engineer & Media Team

05/2023

- Proactively volunteered for unit's media team and helped out in KAINOS event as a software engineer, successfully deploying web application for event usage
- Worked on OMNIA application with engineers within the formation, clinching SAF's annual innovation award

NUS EEE STEP Camp

Singapore, SG

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, SG

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, SG

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, SG

Secretary

01/2016-12/2020

Dunman High School Youth Alumni

Singapore, SG

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, 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, React Navigation, React Native Paper, Flutter

Others: Git, Python