DeAndre Hai Jie LIM | Mobile No.: 8121 9032 | Email: deandrehaijielim@gmail.com
Portfolio Website: https://deandrehaijiel.github.io/portfolio-website/

EDUCATION

Nanyang Technological University (NTU), Singapore   Aug 2021 – Present
Bachelor of Engineering in Electrical and Electronic Engineering
- Honours (Merit), Current CGPA: 3.95/5.00

Singapore Polytechnic, Singapore   Apr 2016 – May 2019
Diploma in Aerospace Electronics
- CGPA: 3.66/4.00

PROJECTS

Personal   Dec 2021 – Jan 2022
NFT Collection – CryptoShowroom#1 & CryptoGarage#1 & Project CryptoCars
- Created 2 collection of Non-Fungible Token (NFT) using Python
- Minted the 2 collections on the Polygon blockchain on OpenSea with a Windows Application and a modified Python script
- https://opensea.io/collection/crypto-showroom-1 & https://opensea.io/collection/crypto-garage-1 & https://opensea.io/collection/project-cryptocars

Personal   Jan 2022 – Feb 2022
2D Game – CryptoCars
- Built a WebGL game with Unity Game Engine
- Designed game elements with Pixelart and scripted with Unity C#
- Collaborated with international creators to fine tune integration of the game
- Published WebGL version on Itch.io and Android version on Google Play, also available in iOS version
- Itch.io: https://deandrehaijiel.itch.io/cryptocars
- Google Play: https://play.google.com/store/apps/details?id=com.deandrehaijiel.CryptoCars

Lifestyle Application – choices : random   May 2022 – May 2022
- Built a randomizer application with Unity Game Engine
- Designed application elements with Pixelart and scripted with Unity C#
- Published Android version on Google Play, also available in iOS version
- Google Play: https://play.google.com/store/apps/details?id=com.deandrehaijiel.randomizer

INTERNSHIP EXPERIENCE

Influential Brands LLP
Software Developer Intern   May 2022 – Aug 2022
- Lead the development of an application on IOS and Android for the organisation's projects
- Developed a cross platform networking application with Flutter framework; implementing messaging, video and voice calling features, alongside designed the business's newsfeed UI/UX for regular updates
- Configured profile pages for both members and personals as well as showcasing community groups and its members
- Participated in the full software development cycle of the application from design to implementation, testing and delivery

Rolls Royce Singapore Pte. Ltd.   Mar 2018 – Aug 2018
Rolls-Royce Electrical, Engineering Intern
- Identify the platform for the process with section flexibility for Variable Stator Valve Actuator (VSV Action Controller)
- Evaluated tools available for selected System on a chip (SoC)
- Write IP for SoC (VHDL/Verilog)
- Link ARM processor to control the duty cycle of Pulse-Width Modulation (PWM) by means of communication from PC through Ethernet via Transmission Control Protocol/Internet Protocol (TCP/IP) using Visual Basic Application [Graphical User Interface)]
- Proactively developed a software to communicate between the input system and the integrated circuit

SKILLS

Languages: Proficient in English and Chinese
Digital Skills: AutoCAD, CSS, C#, C++, Dart, Flutter, HTML, JavaScript, jQuery, MATLAB, Microsoft Office, Microsoft Visual Basic, MySQL, npm, Photoshop, React, SCSS, Unity 2D

HOBBIES & INTERESTS

Sports (Basketball), Gym, Hiking, Music (Singing), Photography