

## EDUCATION

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| <b>Nanyang Technological University (NTU), Singapore</b><br><b>Bachelor of Engineering in Electrical and Electronic Engineering</b> <ul style="list-style-type: none"><li>Honours (Merit), Current CGPA: 3.95/5.00</li></ul> | Aug 2021 – Present  |
| <b>Singapore Polytechnic, Singapore</b><br><b>Diploma in Aerospace Electronics</b> <ul style="list-style-type: none"><li>CGPA: 3.66/4.00</li></ul>   | Apr 2016 – May 2019 |

## PROJECTS

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| <b>Personal</b><br><b>NFT Collection – CryptoShowroom#1 &amp; CryptoGarage#1 &amp; Project CryptoCars</b> <ul style="list-style-type: none"><li>Created 2 collection of Non-Fungible Token (NFT) using Python</li><li>Minted the 2 collections on the Polygon blockchain on OpenSea with a Windows Application and a modified Python script</li><li><a href="https://opensea.io/collection/crypto-showroom-1">https://opensea.io/collection/crypto-showroom-1</a> &amp; <a href="https://opensea.io/collection/crypto-garage-1">https://opensea.io/collection/crypto-garage-1</a> &amp; <a href="https://opensea.io/collection/project-cryptocars">https://opensea.io/collection/project-cryptocars</a></li></ul>                 | Dec 2021 – Jan 2022 |
| <b>Personal</b><br><b>2D Game – CryptoCars</b> <ul style="list-style-type: none"><li>Built a WebGL game with Unity Game Engine</li><li>Designed game elements with Pixelart and scripted with Unity C#</li><li>Collaborated with international creators to fine tune integration of the game</li><li>Published WebGL version on Itch.io and Android version on Google Play, also available in iOS version</li><li>Itch.io: <a href="https://deandrehaijiel.itch.io/cryptocars">https://deandrehaijiel.itch.io/cryptocars</a></li><li>Google Play: <a href="https://play.google.com/store/apps/details?id=com.deandrehaijiel.CryptoCars">https://play.google.com/store/apps/details?id=com.deandrehaijiel.CryptoCars</a></li></ul> | Jan 2022 – Feb 2022 |
| <b>Lifestyle Application – choices : random</b> <ul style="list-style-type: none"><li>Built a randomizer application with Unity Game Engine</li><li>Designed application elements with Pixelart and scripted with Unity C#</li><li>Published Android version on Google Play, also available in iOS version</li><li>Google Play: <a href="https://play.google.com/store/apps/details?id=com.deandrehaijiel.randomizer">https://play.google.com/store/apps/details?id=com.deandrehaijiel.randomizer</a></li></ul>   | May 2022 – May 2022 |

## INTERNSHIP EXPERIENCE

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| <b>Influential Brands LLP</b><br><b>Software Developer Intern</b>  | May 2022 – Aug 2022 |
| <ul style="list-style-type: none"><li>Lead the development of an application on IOS and Android for the organisation's projects</li><li>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</li><li>Configured profile pages for both members and personals as well as showcasing community groups and its members</li><li>Participated in the full software development cycle of the application from design to implementation, testing and delivery</li></ul>   |                     |
| <b>Rolls Royce Singapore Pte. Ltd.</b><br><b>Rolls-Royce Electrical, Engineering Intern</b>  | Mar 2018 – Aug 2018 |
| <ul style="list-style-type: none"><li>Identify the platform for the process with section flexibility for Variable Stator Valve Actuator (VSV Action Controller)</li><li>Evaluated tools available for selected System on a chip (SoC)</li><li>Write IP for SoC (VHDL/Verilog)</li><li>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]</li><li>Proactively developed a software to communicate between the input system and the integrated circuit</li></ul> |                     |

## 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