

# Yuan Tianyi

+65 93844456 | yuantianyiAn225@gmail.com | [LinkedIn](#) | [GitHub](#) | Nationality: Singaporean

## SUMMARY

Passionate about solving complex problems, I aim to create data-driven solutions that drive sustainability and innovation. Adaptable and action oriented, I thrive in dynamic, collaborative environments. Eager to explore new areas within the fields of data and ML.

## Skills

Programming: Python, Java, JavaScript, SQL, HTML, CSS

Data Analysis and Visualisation: R (RStudio), Tableau, ERD, Econometrics, Computer Vision

Machine Learning: Scikit-learn, Pandas, NumPy, Seaborn, PyTorch, OpenCV, Deep Learning

Software Development: Next.js, React, Spring Boot, Tailwind, Bootstrap, TypeScript/JSX, Vue.js

Office Productivity: Microsoft Office Suite(Excel, Word, PowerPoint), Project Management Software

Languages: Proficient in English & Chinese, Basic proficiency in Spanish

## WORK EXPERIENCE

### Laconic Technology Co., Ltd, Bangkok, Thailand

*R&D Software Developer and Data Mining Specialist Intern*

May 2024 - Aug 2024

- Ideated and implemented 5+ product features for Payni.io, a cryptocurrency platform supporting both crypto and fiat transactions.
- Enhanced user experience by collaborating on the UI/UX designs and refine new interfaces
- Developed website features using React.js and Next.js for front-end and integrating Spring Boot for backend operations.

### Building and Construction Authority, Singapore

*Environment and Sustainability Executive*

Dec 2022 - Aug 2023

- Cleaned, compiled, and managed datasets for over 600 Green Mark-certified buildings
- Reconnected with over 200 Building Owners to update building data and follow-up to encourage recertification of expired GM Certificates.

## EDUCATION

### National University of Singapore, Singapore

*Bachelor of Science (Honours), Business Analytics*

Aug 2023 – Jun 2027 (Expected)

- School of Computing, Machine Learning-based Analytics Specialisation
- NOC Thailand AY23/24 Special Term Intake
- Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Business Analytics, Data Management and Visualisation, Econometrics Modelling, Probability and Statistics, Linear Algebra, Calculus

### Hwa Chong Institution, Singapore

*Singapore-Cambridge GCE A-Level*

Jan 2015 – Dec 2020

- H2 Physics (A), H2 Economics (A), H2 Mathematics (A), H2 China Studies in Chinese (B), H1 General Paper (C), H1 Project Work (A), and O-Level Higher Chinese (A).
- Awarded Edusave Scholarship for Independent Schools from 2015 - 2020

- Awarded Bicultural Studies Programme Scholarship from 2017 - 2020

## LEADERSHIP EXPERIENCES/EXTRACURRICULAR ACTIVITIES

---

<b>Overseas Volunteering</b>	Dec 2019 & Jul 2024
<ul style="list-style-type: none"> <li>- Volunteering at Banphamaisapanlao School, Thongphaphum, Kanchanaburi, Thailand (Jul 2024)</li> <li>- Teaching primary school students in Xiasi, Guizhou, China basic English through drawings, songs and other engaging teaching methods.</li> </ul>	
<b>School Contributions (NUS)</b>	Aug 2023 - Present
<ul style="list-style-type: none"> <li>- Operations Executive for NUS Entrepreneurship Society</li> <li>- NUS Computing Club, Welfare Committee</li> <li>- Member of NUS Social Impact Catalyst</li> <li>- Member of NUS Muay Thai</li> </ul>	
<b>School Contributions (HCI)</b>	Jan 2019 - Dec 2020
<ul style="list-style-type: none"> <li>- Bicultural Studies Programme Symposium 2019 Outstanding Award</li> <li>- Outdoor Education Student Club (OESC), Project Director of Outdoor Education Forum and Selection Camp</li> </ul>	
<b>Youth Leader Experiential Programme (YLEP)</b>	Jan 2019 - Dec 2020
<ul style="list-style-type: none"> <li>- A service-learning project involving grassroots activities in West Coast Community Centre.</li> <li>- Participated in Meet-the-People sessions.</li> <li>- Conducted Peer Tutoring sessions at Kent Ridge Secondary School</li> </ul>	