

Andre Lau

An Aspiring Software Engineer ❖ lautseernandre1@gmail.com ❖ 98859401 ❖ [GitHub](#) ❖ [LinkedIn](#) ❖ [Tiktok](#)

EDUCATION

National University of Singapore

2023 – Present

Bachelor of Information Systems, Honors; Minor in Psychology

- **CAP: 4.3 / 5.0 (on track for 2nd Class Upper Honors)**
- Relevant modules: Introduction to Business Analytics, Object Oriented Programming in Java

Victoria Junior College

2020 – 2022

GCE A-Levels

- **Distinction for H2 Mathematics and Physics, Top 90th Percentile JC1**
- Member of VJC Videography Club and Orientation Group Leader

PERSONAL PROJECTS & CERTIFICATIONS

React Native Orbital Project: Single's Inferno

May 2024 – July 2024

Apollo Achievement Level

- Developed and coded a mobile dating app using **React Native**(frontend), **FireBase** and **Nodejs**(backend) using expo
- Utilized external libraries, such as React-Native-Calendars, to seamlessly integrate advanced features within the app
- Integrated Grog AI (a fast AI Inference) into our app through the use of API requests via Firebase's realtime database functions and axios
- Developed a matching algorithm in Firebase realtime database to pair users based on similar personality types
- Github repository: <https://github.com/andrelau123/Orbital-Singles-Inferno-6019-/tree/main>

React Native: The Practical Guide on Udemy

May 2024 – July 2024

Udemy Course

- Gained proficiency in Reactjs and React Native, and other external libraries like React Navigation

CS50x: Introduction to Computer Science

May 2023 – July 2024

Harvard Course

- Gained proficiency in C, Python, SQL, HTML and CSS within the course
- As part of the final project, developed a Telegram Bot in Java to perform essential functions, such as delivering tailored encouragement messages based on users' responses to specific prompts
- Github repository (final project): <https://github.com/andrelau123/Andre-s-telegram-bot>

WORK EXPERIENCE & LEADERSHIP ROLES

607 Squadron, Singapore Armed Forces

Jan 2020 – Dec 2022

Armskote-in-charge

- Crafted the detailing every month for the team of armskotemen
- Streamlined processes within the armskote for the issuing of weapons and their documentation, reducing the time taken to draw and send arms by up to 3 times
- Assisted base duty officers in the carrying out of their daily, weekly and monthly checks of the armskote

Halogen Foundation

Nov 2018 – Dec 2018

Data Analyst Intern, Programme Facilitator

- Facilitated the National Youth Environment Conference (NYEC), a 3 Day Entrepreneurship Camp for over 100 participants from different secondary schools islandwide
- Oversaw and executed the meticulous data cleaning of over 3,000 feedback forms for their NYLF program, followed by an in-depth analysis and compilation of the data into a comprehensive report to better improve teaching material
- Developed teaching materials for Halogen's NYLF program for Secondary schools islandwide, and refined existing material to make it more relevant and applicable for youths today

Victoria School Concert Band

Jan 2018 – Dec 2018

Executive committee, Secretary

- Led the planning of the Biannual Concert - Musical World - which saw more than 600 guests attend
- Managed the administrative affairs of the band, ensuring accurate documentation of attendance and funds

SKILLS & INTERESTS

- **Proficient in both reading and writing of the English and Chinese Language**
- **Skills:**
 - **Coding Languages:** Java, Reactjs, React Native, Javascript, R, Python, C, SQL, HTML & CSS, Git & Github
 - **Video Editing software:** Davinci Resolve and Premiere Pro
- **Interests:** Watching K-dramas, Filmmaking, Running