

# ANDREA TAN

HP: (+65) 83281611 Email: andrextan611@gmail.com

## EDUCATION

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**National University of Singapore (NUS)**

**Aug 2019 – May 2023**

### **Bachelor of Computing with Honours in Computer Science**

- Cumulative Average Points: 4.50/5.00 (Expected Honours with Highest Distinction)
- Took CS2103T (Software Engineering Module), CS2030 (Programming Methodology 2) and CS2040S (Data Structures and Algorithms)

## TECHNICAL SKILLS

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- Programming Languages: Python, C, Java, JavaScript, Dart
- Experience in using Flutter (UI Software development kit) for mobile application development
- Experience in using Firebase for back-end development
- Experience in HTML, CSS, Bootstrap, Git
- In the process of learning more about React, React Native and SQL through online courses
- Project management
- Statistical Tools: MATLAB, Microsoft Excel

## WORK EXPERIENCE

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### **Part-Time Mathematics and Science Tutor**

**Nov 2018 – Jul 2019**

- Conducted E-math, A-Math, Physics and Chemistry lessons for secondary school students
- Incorporated short animation videos during lessons to trigger interest and deepen students' understanding
- Conducted feedback sessions with the students to check for areas for improvement

### **Sales Promoter for Eu Yan Sang**

**Dec 2018 – Dec 2018**

- Honed communication and interpersonal skills as I conversed with potential customers
- Adapted to different situations when met with different types of customers

## PROJECTS

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### **Took part in Orbital 2020 by NUS School of Computing**

**May 2020 – Aug 2020**

- Developed a cross platform mobile application, 'SoCUnite', with Flutter and Firebase
- Attained highest level of achievement, Artemis

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## ProductiveNUS, Desktop Application

Aug 2020 – Nov 2020

- JavaFX desktop application designed to help students manage their academic schedule
- Designed unit tests and initiated major refactor from the previous iteration
- Wrote a complete developer guide and user guide
- Used breath-first iterative approach

Links: [Personal Contributions](#), [Developer Guide](#), [User Guide](#)

## CO-CURRICULAR ACTIVITIES

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### Nanyang Junior College Interact Club

Jan 2017 – July 2018

- Led a team of 9 members to organise and plan activities for beneficiaries of various ages and disabilities
- Collaborated with several beneficiaries as a team to offer services and to conduct activities such as food rationing and handicraft

### NUS Taekwondo

Aug 2019 – Present

- Developed self-discipline in both mental and physical aspects
- Trained time management skills
- Trained junior belts for monthly grading
- Established a good study-life balance as I juggled between academic rigors and activities to enrich my college experience
- Value teamwork to promote a good learning environment, which fosters friendship and loyalty

## ADDITIONAL INFORMATION

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- **Languages:** Fluent in English and Mandarin (spoken and written)
- **Interests:** Enjoys playing piano, dance and taking weekly jogs with family members