

# Tan Yu Li, James

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## EDUCATION

### NATIONAL UNIVERSITY OF SINGAPORE

BComp in Computer Science  
NUS Merit Scholar  
Aug 2019 - May 2023  
Year 2 | CAP: 4.80 / 5.00

### RAFFLES INSTITUTION

GCE A Levels | AAAA/AA  
Grad. Dec 2016 | Singapore

### NAN CHIAU HIGH SCHOOL

GCE O Levels | 7A1s  
SHHK Model Student  
Grad. Dec 2014 | Singapore

## SKILLS

### PROGRAMMING LANGUAGES

Proficient:

Java • Python • Javascript • C#

Familiar:

C • HTML • CSS • SQL

### WEB DEVELOPMENT

Front End:

Bootstrap 4 • Javascript • JQuery

Back End:

ExpressJS • NodeJS • ASP.NET

Databases:

PostgreSQL • MySQL • MongoDB

### DATA ANALYTICS

Jupyter Notebook • Pandas • Numpy • Matplotlib

## LINKS

Github:// [iamjamestan](#)

LinkedIn:// [jamestanyuli](#)

## COURSEWORK

Programming Methodology	A
Programming Methodology II	B+
<i>(Teaching Assistant)</i>	
Computer Organisation	A+
Calculus for Computing	A+
Data Structures and Algorithms	A-
Linear Algebra I	A+
Probability and Statistics	A

## EXPERIENCE

### PHILLIP FUTURES PTE LTD | SOFTWARE DEVELOPMENT INTERN

Jun 2020 - Aug 2020 | Singapore

- Revamped company's internal website to ASP.NET Model-View-Controller (MVC) architecture (back end).
- Liaised with UX/UI designer to redesign company's internal website (front end).
- Developed with C#, ASP.NET MVC, Bootstrap 4, JQuery.

### NUS | TUTOR FOR CS2030 (PROGRAMMING METHODOLOGY II)

Jan 2020 - May 2020 | Singapore

- Taught concepts pertaining to Object-Oriented Programming, Lazy evaluation, Streams, and Asynchronous Programming.
- Reinforced coding standards in Java.
- Oversaw and reviewed student projects.

### NUS INVESTMENT SOCIETY | PROJECT MANAGEMENT EXECUTIVE

Aug 2019 - May 2020 | Singapore

- Head of logistics for NUS Invest Fiesta 2019, a three-day flagship event that aims to increase financial literacy and industry knowledge by bringing students and industry professionals together.
- Assigned roles to team members and liaised with stakeholders to ensure a smooth execution for event.

## PROJECTS

### SUPPERJIO TELEGRAM BOT | PROJECT ORBITAL, NUS

May 2020 - Aug 2020 | Singapore

- Telegram bot designed to collate group orders, with over 1000 users.
- Developed with NodeJS with PostgreSQL and cloud hosting (Heroku).
- Complete refactor of previous iteration to improve scalability.
- Attained the Apollo (Advanced) recognition.
- Links to [@SupperJio\\_v2\\_bot](#) | [Documentation](#) | [Poster](#).

### HAIRSTYLEX | CS2103T SOFTWARE ENGINEERING MODULE, NUS

Aug 2020 - Nov 2020 | Singapore

- JavaFX desktop application designed to help budding hair salon owners manage clients, hairdressers, and appointments.
- Managed team milestones, assigned roles to team members, and initiated major refactor from previous iteration.
- Used an iterative approach and forking workflow on GitHub.
- Links to [Github](#) | [Website](#) | [Personal Contributions](#).

## ACHIEVEMENTS

2020	2 <sup>nd</sup> /15 teams	Virtual Electronic Trading Competition, Jane Street
2015	Overall Team Champion	National Junior Robotics Competition

## CERTIFICATIONS

### WILEY CERTIFIED DATA ANALYST | GEN INFINITI PTE LTD

Jan 2019 | Singapore

Introduced to R, big data analysis, and machine learning frameworks.