

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 3 | CAP: 4.69 / 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:

React • Bootstrap 4 • JQuery

Back End:

ExpressJS • NodeJS • ASP.NET

Databases:

PostgreSQL • MySQL • MongoDB

DATA ANALYTICS

Jupyter Notebook • Pandas • Numpy • Matplotlib

LINKS

Website:// jamestanyuli.com

Github:// [iamjamestan](https://github.com/iamjamestan)

LinkedIn:// [jamestanyuli](https://www.linkedin.com/in/jamestanyuli)

COURSEWORK

Programming Methodology	A
Discrete Structures	A-
Computer Organisation	A+
Calculus for Computing	A+
Data Structures and Algorithms	A-
Linear Algebra I	A+
Probability and Statistics	A
Software Engineering	A-
Computer Networks	A+
Information Security	A
Operating Systems	B+

EXPERIENCE

VISA WORLDWIDE PTE LTD | SOFTWARE ENGINEER INTERN

May 2021 - Aug 2021 | Singapore

- Developed a Maven module that comprised of Visa's cryptographic algorithms, automating the manual process of cryptogram testing for the team.
- Integrated existing test suite with an open source tool, reportportal.io, reducing the manual labour of classifying test failures for every new test cycle.
- Developed shell scripts and created Jenkins jobs that automate the deployment of the Visa Automated Testing Portal (VATP).

NUS | TUTOR FOR CS2040 (DATA STRUCTURES AND ALGORITHMS)

Jan 2021 - May 2021 | Singapore

- Taught concepts pertaining to algorithmic analysis, sorting, hashing, heaps, trees and graphs.
- Attained a teaching score of 4.9/5.0 as compared to the department average of 4.2/5.0.
- [Click here to view teaching report](#)

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.

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 nd /15 teams	Virtual Electronic Trading Competition, Jane Street
2015	Overall Team Champion	National Junior Robotics Competition