

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

FRAMEWORKS & STACKS

Front End:

React • Material-UI • Bootstrap 4

Back End:

ExpressJS • NodeJS • ASP.NET •

Maven

Databases:

PostgreSQL • MongoDB

DEVOPS

Jenkins • Shell Scripting

LINKS

Website:// jamestanyuli.com

Github:// iamjamestan

LinkedIn:// jamestanyuli

COURSEWORK

Programming Methodology	A
Computer Organisation	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 encapsulates 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).

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

- A bot designed to collate supper orders for telegram groups.
- Developed with NodeJS, PostgreSQL and cloud hosting (Heroku).
- Over 1000 daily active users in NUS Hostels.
- Links to [@SupperJio_v2_bot](#) | [Github](#) | [Documentation](#) | [Poster](#).

PORTFOLIO WEBSITE | PERSONAL PROJECT

Jan 2021 - Present

- Personal portfolio developed to summarise my academic and professional journey as a computer science undergraduate.
- Developed with React, Material-UI components, and cloud hosting (Netlify).
- Links to [Website](#) | [Github](#).

HAIRSTYLEX | CS2103T SOFTWARE ENGINEERING MODULE, NUS

Aug 2020 - Nov 2020

- Desktop application designed to help budding hair salon owners manage clients, hairdressers, and appointments.
- Developed with JavaFX, Gradle, and GitHub Actions.
- Links to [Github](#) | [Documentation](#) | [Personal Contributions](#).

TEACHING

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.](#)