Tan Yu Li, James

Singapore | +65 97392367 | jamestanyuli@gmail.com
github.com/iamjamestan | linkedin.com/in/jamestanyuli | jamestanyuli.com

PROFESSIONAL SUMMARY

Final year Computer Science student at the National University of Singapore with a focus in Software Engineering and Cyber Security. Interned at 3 companies and worked on small to medium sized engineering projects.

EDUCATION

Bachelor of Computing, Computer Science, National University of Singapore   **Aug 2019 - Dec 2022**
- GPA: 4.73/5.00, Software Engineering Focus Area (Distinction), Computer Security Focus Area (Expected Distinction)
- Teaching Assistant for CS2040 Data Structures and Algorithms, and CS2030 Programming Methodology II
- Relevant Coursework: Software Engineering, Software Testing, Database Systems, Computer Security

WORK EXPERIENCE

Stripe Payments Singapore, Software Engineer Intern   **May 2022 - Aug 2022**
- Developed an automatic website verifier that scrapes website contents and verifies them against a set of requirements, reducing the manual labour of inspecting merchant websites.
- Designed an extensible architecture for the website verifier, allowing engineers to easily change verification algorithms without having to modify other components in the pipeline.
- Liaised with operations team to facilitate large-scale testing of the website verifier on merchant websites, providing visibility of its accuracy and reliability.
- Technologies: Ruby, MongoDB.

Visa Worldwide Pte Ltd, Software Engineer Intern   **May 2021 - Aug 2021**
- 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.
- Technologies: Java, Maven, JUnit, Jenkins.

Phillip Nova Pte Ltd, Software Development Intern   **Jun 2020 - Aug 2020**
- Revamped company's internal website to ASP.NET Model-View-Controller (MVC) architecture (back end).
- Liaised with UX/UI designer to redesign the company's internal website (front end).
- Technologies: C#, ASP.NET MVC, Bootstrap 4, JQuery.

PROJECTS

SupperJio Telegram Bot   **May 2020 - Aug 2020**
github.com/Tembusu-Student-Developer-Club/supperbot-node-telegram
- Built a bot that allows users to collate supper orders in telegram groups, which serves over 1000 monthly users.
- Technologies: NodeJS, PostgreSQL, Heroku (cloud hosting).

Personal Portfolio Website   **Jan 2021 - Present**
github.com/iamjamestan/personal-portfolio
- Designed and built a personal portfolio website (jamestanyuli.com) to summarise my academic and professional journey as a computer science undergraduate.
- Technologies: React, Material-UI, Netlify (cloud hosting).

SKILLS

Programming Languages: Python (proficient), Java (proficient), Ruby, JavaScript, C, C++, C#
Technologies: React, NodeJS, Maven, JUnit, MongoDB, PostgreSQL, Amazon Web Services, Google Cloud Platform