THNG YAO JIE

yaojiethng@gmail.com · (+65) 92300246
linkedin.com/in/yao-jie-thng · github.com/yaojiethng

EDUCATION

National University of Singapore, School of Computing   08/2018–07/2022
Bachelor of Computing in Computer Science (Current CAP of 4.42/5.0)

Anglo-Chinese Junior College   01/2014–12/2016
Singapore-Cambridge GCE A-Level (82/90 rank points)

EXPERIENCE

GovTech, Government Security Operations Engineering   07/2020–12/2020
Intern (Web Application Development)

- Implemented a feature to asynchronously check for fake websites, involving queries to multiple web APIs and using Machine Learning for logo recognition, in Python-Celery.
- Optimised the runtime of the fake website detection tool by a benchmarked speedup of 2.5x through implementing parallelization, rate limiting and batch processing for subtasks.
- Created a prototype in Flask to directly compare results offered by different reverse image searching platforms as an interactive demonstration for a presentation.

National University of Singapore   08/2020–11/2020
Teaching Assistant for Module CS3240 (Interaction Design)

- Communicated feedback for student submissions by writing weekly activity reviews, as well as assessed and commented on graded student submissions.

PROJECTS

Planner++

- Daily Planner Application, implemented in Kotlin with the MVVM software development design pattern using AndroidX Framework components, SQLite for back-end and CSS for front-end.

Owly

- Designed a fully interactive sleep habit tracker application prototype in Figma after gathering user requirements through a contextual inquiry and affinity diagram.

JelphaBot

- Task Manager and Scheduler implemented in JavaFX with automated testing through Gradle.

PROGRAMMING LANGUAGES AND FRAMEWORKS

- Python
- Docker
- SQL
- Java
- HTML/CSS
- LaTeX
- C++
- ReactJS, React-Redux

ACTIVITES

NUS Computing Club   September 2018 – August 2022

- Organised and conducted Faculty Club activities such as Angel-Mortal gift exchange for 100 students from the School of Computing in AY18/19.
- Led Freshmen Orientation Camp activities as a committee member, including planning and conducting an activity which engaged 200 freshmen in an adventure trail around the Faculty.