

Tang Zhiying

Phone Number: +65 88904881 | Email: tangzhiying2001@gmail.com

VALUE PROPOSITION

- I am a Driven and Motivated undergraduate student enrolled in NUS School of Computing, with strong foundation in computing and the Java language.
- I am a Passionate and Quick Learner willing to take on new skills, with the ability to work quickly and efficiently and to deliver work with excellent written and communication skills.
- I am currently seeking internship in a forward-moving firm to hone computing skills and explore new areas in computing. (Availability: 2023)

EDUCATION

National University of Singapore, School of Computing, Singapore **Expected May 2024**
Bachelor of Computing (Honours) in **Computer Science**, second major in Mathematics
CAP: 4.66 out of 5 as of June 2022 (Transcript)

- **Selected Coursework:** Data Structures and Algorithms, Software Engineering, Artificial Intelligence, Computer Organization

TECHNICAL SKILLS

- **Programming Languages:** Java (IDE: IntelliJ, Vim, Eclipse), Python (Pycharm)
- **Web Development:** HTML, CSS, Bootstrap, React, Django, Docker
- **Database:** SQL
- Some exposure to C, JavaScript, and Assembly

PROJECTS

Project: Online Stocks Analysis Platform **May 2022 - July 2022(expected)**

Highlight: Full-stack, Python, Django, Docker, React

- Designed and built a **full-stack** online platform to search and view market stocks and analyse their correlation with the number of mentions on Reddit.
- Manipulated and stored database using **Django** framework.
- Utilized various **APIs** and open-source libraries to scrape and collect online data such stock prices and Reddit submissions.
- Utilized **Docker** to set up a virtual environment and manage dependencies.

Project: Personalized Task Keeping Chatbot

Aug 2022 - Sept 2021

Highlight: Full-stack, Java, GitHub, IDEs

- Developed a **full-stack** application to allow users to keep track of upcoming tasks and deadlines.
- Designed and implemented a simple **GUI** using **javaFX**.
- Created JAR files using Gradle and made releases on **GitHub**.

Project: Desktop Application to Manage and Analyze student performance

Sept 2022 - Nov 2021

Highlight: Full-stack, Java, GitHub, Version control, Software Engineering

- Developed a **full-stack** application to help professors store comprehensive data of the student cohort, and provide multi-level **data analysis** of students' performance.
- Designed and implemented an interactive **GUI** using **javaFX**, and to display data analysis using various forms of graphs and charts.

- Manipulated and managed database using **JSON** format.
- Adopted various **software engineering** practices starting from identifying target user profile and value propositions, designing targeted features, organizing code using multi-level design, and to writing user and developer guide.
- Utilized **GitHub** for version control and project management. Managed releases along with new features delivered.

EXPERIENCE

Campus Job: Teaching Assistant for CS2040S Data Structures and Algorithms

Jan 2022 - May 2022

Highlight: Java, Data Structures, Public Speaking

- Prepared and led weekly tutorial lessons, explained **data structure and algorithm** concept to students.
- Graded and reviewed weekly coding assignments of students.
- Developed deeper understanding of the application of algorithms in real-life problems.

Project: Service Learning Project Organising Team

May 2018 – June 2019

Highlights: leadership and coordination skills, communication skills

- Organised weekly service learning sessions facilitating lessons for children with educational challenges.
- Coordinated with beneficiary and the school to ensure smooth execution of events, planning of activities and managing volunteers.

PERSONAL SKILLS

- Quick learner
- Motivated & enthusiastic to explore new areas
- Analytical thinking
- Ability to work quickly and efficiently
- Effective time management skills & able to prioritise tasks in order of importance
- Clear and informative written and verbal communication skills
- Fluent in Chinese

CERTIFICATES

- Hwa Chong Diplomat with distinction, National Youth Achievement Award Singapore (Silver), Imagining Peace Lions International Peace Poster Contest Finalist

HOBBIES

- Drawing, Gaming