

Travis Ching Jia Yea

Computer Science undergraduate from the National University of Singapore under the ASEAN scholarship scheme, seeking a position in Software Engineering. Has experience in Web Application, Android, and iOS. Loves to innovate solution and have conveyed this passion through academics, math competitions, side projects, and hackathons.

EXPERIENCE

Facebook Pte Ltd Singapore – Enterprise Engineering Intern (Helpdesk Engineering)
MAY 2020 – AUG 2020

- Implemented a trending case type feature. Tasks included implementing staging table, script controller and front-end development.
- Designed, documented, and built a modular API that given a query and contextual information of user, generates a ranked list of helpdesk articles.
- Led the Enterprise Operations Org in running A/B testing with internal tools.

Nickel Pte Ltd Singapore – Technical Intern (Dev Ops)

MAY 2019 – JULY 2019

- Automated generation and allocation of encryption key pairs for all organisations in the blockchain network with ansible scripts.
- Implemented the foundation for stress testing of the blockchain network.

PROJECTS

VizBlocks – CP4101 Final Year Project (MERN stack) [vizblocks.comp.nus.edu.sg]

AUG 2020 – APRIL 2021

Travis Jia Yea CHING, Bimlesh WADHWA 2021, 'VizBlocks: A Data Visualization Literacy Education Tool', *Proceedings of the 5th APSCE International Computational Thinking and STEM in Education Conference 2021*. Singapore: National Institute of Education.

- Built as an extension of Scratch, VizBlocks is a novel approach of adopting visual programming paradigm as a tool to educate data visualization literacy. The website is a one-stop platform to access materials and the VizBlocks tool.
 - UI/UX Prototyping.
 - Individual full stack development of the website.
 - Dev Ops, setting up docker containers and server.
 - Literature review, usability testing and hypothesis testing.

ORA – CS3216 Software Product Engineering (React Redux)

AUG 2019 – NOV 2019

- A chat platform that connects volunteers to people seeking temporary online emotional support.
 - Front end development.
 - Facilitating collaboration with HeaRHtfelt to use Ora as the official emotional support platform for Raffles Hall, NUS.

COMMUNITY ENGAGEMENT ACTIVITIES

Teaching Assistant in SoC, NUS – CS1101S (Programming Methodology)

JULY 2018 – NOV 2018, JULY 2019 – NOV 2019, JULY 2020 – NOV 2020

- Held weekly meetings to mentor 8 teaching assistants under my cluster.
- Conducted weekly lessons and graded assignments in JavaScript.

Teaching Assistant in SoC, NUS – CS2040S (Data Structures & Algorithms)

JULY 2019 – NOV 2019

- Conducted weekly lessons and graded assignments in Java.

CO-CURRICULAR ACTIVITIES

Raffles Hall

61st JCRC (Junior Common Room Committee) – Social Director Internal; Commotion (IT Department) – Maintain hall website; Director of Block Committee; Member of Basketball Team and Raffles Volunteering Corps.

NGO – Royal Rangers: Junior Commander

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LINKEDIN

[linkedin.com/in/travis-c-97370317a/](https://www.linkedin.com/in/travis-c-97370317a/)

GITHUB

github.com/Gilgameshtc

PERSONAL WEBSITE

<https://gilgameshtc.github.io/>

EDUCATION

National University of Singapore

Bachelor of Computer Science

(Honours - Highest Distinction)

JULY 2017 – MAY 2021

CGPA: 4.75

Dean's List holder

Individual Merit

7th WMTC - Korea 2016

(World Math Team Competition)

Individual: Silver, Team: Gold

SASMO 2015

(Singapore and Asian Schools

Math Olympiad)

SKILLS

Languages

Java, JavaScript, C, Android,
Swift, Ansible, Hack, SQL

Technologies & Frameworks

Firebase, Github, Kubernetes,
Docker, React, Redux, Relay,
GraphQL, Node, Express,
MongoDB.

LANGUAGES

Native Proficiency

English, Mandarin

Working Proficiency

Bahasa Melayu

Limited Proficiency

Hokkien, Cantonese