

ALYSSA SAVIER

Computer Science Student, Dancer | [Eligible for H-1B1-Singapore Visa](#)

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EDUCATION

National University of Singapore (NUS)

BComp. in Computer Science

Singapore

Aug. 2020 – Apr. 2024

- **Coursework:** Software Engineering, Data Structures and Algorithms, Probability and Statistics, Programming Methodology I and II

EXPERIENCE

Beat

Data Science Intern (Part-time)

Sept. 2021 – Present

Singapore

- Created a scalable dashboard (*Grafana, PostgreSQL*) for people to visualise their own flourishing data.

Mistletoe VC

Software Engineering Intern, Innovation Intern

May 2021 – July 2021

Singapore

- Built a Telegram Bot (*Python, Docker, AWS, PostgreSQL*) that tracks the sleep hygiene of 50 users over 4 weeks, in partnership with *Yong Loo Lin School of Medicine's Sleep and Cognition Laboratory* and *Singapore Sport Institute's Sports Nutrition Team*
- Led a team to build a Lucid Dreaming mobile application (*React Native, Firebase*); Taught basic React and pitched the app to potential investors
- Made an informational game (*HTML*) about sustainable food on a virtual festival space, *Gather*, during the *Prototypical Festival*, a mentorship programme for innovators in partnership with government agencies and Singapore Polytechnic; Organised for the festival

SELECTED PROJECTS

Project Besties | MERN, Firebase, Heroku | github.com/Yukun99/projectbestiesapp

May. 2021 – Jul. 2021

- Submission for NUS Orbital 2021 Apollo 11 (2nd highest level), a summer programme where students work on a self-directed software engineering project
- Built a Tinder-esque *MERN* stack mobile application that matchmakes students with potential project partners
- Implemented a fullstack mobile application with authentication using *React Native, Express, NodeJS, MongoDB*, as well as *Socket.IO* for live backend updates for live chat
- Conducted user testing with target demographic to improve features and fix bugs

Project Duke | Java, JavaFX | github.com/alyssa-savier/ip

Aug. 2021 – Present

- NUS Software Engineering CS2103T - Individual Project
- Built a personal assistant chatbot using *Java* that helps keep track of various tasks, events and deadlines; Implemented a GUI using *JavaFX*
- Implemented unit-testing with Junit and TextUi

KR Calendar | MERN | github.com/KR-ITA-COMM/kr-calendar

Dec. 2020 – Feb. 2021

- Kent Ridge Hall (Hostel) Information Technology and Automation Committee Team Project
- Built a *MERN* stack web application that functions as a calendar to inform residents of happenings in the hostel
- Designed the frontend UI/UX

Brainhack 2020 - Today I Learned (Artificial Intelligence Camp) | Python | OpenCV |

July 2020

- Implemented an image recognition program in *Python* and *OpenCV* to detect types of clothing articles to identify survivors in disaster search and rescue missions.

SKILLS

Languages: Python, Java, JavaScript

Frameworks: React, React Native, Express.js

Databases: PostgreSQL, MongoDB

Platforms: Firebase, Heroku

Design: Figma, Canva, Adobe Photoshop

Affiliations: Publicity Deputy Director @ NUS Student's Computing Club