Ng Ho Chi

+65 8101 9753 | [nghochi123@gmail.com](mailto:nghochi123@gmail.com) | <https://nghochi.netlify.app/> | <https://github.com/nghochi123>

# Summary

A self-taught and highly motivated individual, I’m an organized person with some experience in web development seeking an internship where I can grow and learn from other more experienced team members. Hoping to learn more about what a software engineer does and be able to contribute to creating software that would be useful for everyone.

# Education

## A Levels | 2018 | Hwa chong institution

* Hwa Chong Diploma with Distinction
* 88.75 RP

## Incoming undergraduate | 2021 | Nanyang Technological University

* Studying Computer Science
* CN Yang Scholarship Programme

# Technical skills

**Languages:** JavaScript, TypeScript, Python, Stata, HTML5, CSS3

**Frameworks:** ReactJS, NodeJS, Express, MongoDB, Git

# Co-Curricular Activities

## robotics and Infocomm Club (2017-2018)

* Part of Robotics division
* Went for robotics competitions such as RoboCup and National Robotics Competition (NRC)
* Participated in some Infocomm division activities such as Hackathons

# Achievements

## Robocup International RESCUE LINE – Singapore open champions (2018)

* Built a Lego line tracking robot with ball picking and sorting capabilities which won Singapore Open
* Restructured bot with Arduino boards, allowing more design flexibility for Robocup International
* Responsible for programming, circuitry design and soldering

# Experience

## Data analyst Intern at MOH for covid ops (2020-2021)

* Implemented a new workflow to improve the dissemination of information between MOH teams
* Assisted in the revamp of an old process used to consolidate information from hospitals
* Consolidate and process information from relevant sources into figures and charts for regular press release
* Write and debug code to improve data processing

# Personal projects

## Information app [<https://sg-info-hc.netlify.app/>]

* React-based app to retrieve bus and weather data from free APIs.
* Get bus arrival timings based on bus codes, as well as current and hourly weather information.

## Blog website [<https://nghochi-blog.netlify.app/>]

* Personal blog created with static site generator Gatsby, using the React framework.
* Post data is obtained from MongoDB server using GraphQL in markdown format.
* Posts are created through POST requests to an Express server.
* Creation of posts restricted to authenticated user with valid token provided by JsonWebToken.

## Algorithm Visualization App [https://hcvisualisation.netlify.app/]

* Simple single page algorithm visualization app created with the React framework.
* Currently contains four sorting algorithms.

# Other notable achievements/projects

## Youth For Causes Distinction award (2017)

* Core team member of a project to raise funds and awareness for the Children’s Cancer Foundation.
* Worked with organizing committee as well as liaised with Children’s Cancer Foundation to organize fundraisers, sales and a concert.
* Raised over $10,000 for the organization.