

Ng Ho Chi

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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.