

# Chiew Yi Xiang

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## EDUCATION

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### National University of Singapore

2021 – Present

Bachelor of Engineering in Computer Engineering (Honours), CAP: 4.32/5.00

Relevant coursework: Programming Methodology I, Data Structures & Algorithms, Software Engineering & Object-Oriented Programming, Database Systems, Engineering Principles and Practices I & II

### River Valley High School

2013 – 2018

Singapore Cambridge General Certificate of Education Advanced Level (GCE 'A' level), Rank Point: 86.25

## SKILLS

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### Programming languages:

- **Web:** HTML, CSS, JavaScript (ReactJS, Nodejs)
- **Others:** C/C++, Java, Python, SQL

## WORK EXPERIENCE

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### Student tutor, Mind Matters Education Centre

May 2022 - Present

- Tutored students on various subjects (Mathematics and science) and their grades improved drastically for subsequent exams.

### Patient service associate, National Dental centre

April 2021 – June 2021

- Assisted with the process of shifting declaration forms from physical to online.
- Ensure patients perform safe entry and assisted them with filling in of declaration forms.

## PROJECTS

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### HawkerTown (<https://github.com/chiewyx/hawkerDream>)

May 2022 – Jul 2022

- Collaborated with another student to create a webapp designed to provide a one stop platform for hawkers and suppliers to connect. Webapp provides numerous features for hawkers and suppliers to use (Upload invoice, place orders, etc.).
- Leveraged technologies including ReactJS, Supabase to store data and Vercel to host the webapp.

### Alex Robot – Engineering Principles and Practice II (CG2111A)

Jan 2022 – May 2022

- Worked in a team to design and develop a search and rescue robotic vehicle 'Alex' to map out the location it is placed in.
- Alex uses Arduino Uno and Raspberry Pi to send information between each other to operate the robot and LIDAR to map out its surroundings. It is remotely controlled using Transport Layer Security.

## CO-CURRICULAR ACTIVITIES (CCA) AND LEADERSHIP EXPERIENCE

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### Member, NUS King Edward VII Hall, Football

2021 – 2022

- Represented KE7 in NUS Inter-Hall Games for football

### Member, River Valley High School, Football

2016 - 2018

- Represented River Valley High School in National School Games 'A' Division football.

### Organising committee member, stARTsmall 2017

2017

- In-charge of planning and executing the carnival component of the project
- Sourced for external vendors and volunteers to set up and manage several booths for the carnival