

CHONG WEI KANG

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EDUCATION

Nanyang Technological University (NTU)

Aug 2021 – May 2025

Bachelor of Engineering in Computer Science & Bachelor of Business (Business Analytics)

- **CGPA Computer Science:** 4.78/5
- **CGPA Business:** 4.84/5, **Dean's List AY21/22 Business**
- **Programming Coursework:** Software Engineering, Analytics I & II, Object Oriented Programming, Algorithm Design, Designing & Developing Databases, Data Structures & Algorithms

WORK EXPERIENCE

Panasonic Research & Development (R&D) Centre Singapore

Apr 2022 – Jul 2022

Tech Business Analyst Intern

- Designed a custom web scraper package powered by Selenium in Python, automating the manual process of scraping data about 100 competitors' customer base and their key technical features into a CSV file
- Implemented a CNN Model to scrape logo images of competitors using TensorFlow (~80% accuracy) and Google Reverse Search API to extract list of names of companies
- Conducted metadata analysis to dynamically crawl webpages of varying content, achieving > 70% client extraction rate
- Performed NLP keyword extraction & filtering by constructing and comparing similarities of word vectors
- Proposed recommendations based on derived landscape through repeated cycles of data analysis

Private Part-Time Tutor

Dec 2018 – Dec 2021

- Conducted 1-on-1 math lessons for 4 Upper Secondary school students
- Coached and aided students to attain at least an A2 Grade in their O/N Levels

PROJECTS

SimpliPark

- Developed a web app to display carpark availability using computer vision to detect empty parking lots in carparks
- Incorporated a reporting and leaderboard system with rewards to incentivize users to report carpark-related issues
- Built using Bootstrap, JavaScript, Python OpenCV Library for NTU TechFest 2023 and clinched Finalist position

MyHealth

- Implemented a heart disease prediction web app to allow individuals to forecast whether they are at risk of heart disease
- Features include an intuitive front-end design for individuals to input generic variables such as Age, BMI, and logistic regression models in the back end to predict the categorical Y output
- Built and deployed using RShiny with a test set accuracy of 86% - 89% for the models

IGoGreen

- Developed a recycling tracker web app to encourage more people to recycle by offering incentives
- Features include allowing users to input their recycling tally for the day and to accumulate points to claim rewards
- Built using React within 24 hours as part of NUS LifeHack 2022

Hopes & Dreams

- Designed a profile page to document my aspirations and goals for the future in my Freshman Year
- Features include links to my first few web development projects
- Built using HTML & CSS within 24 hours as part of NUS Hack'N'Roll 2022

Odin Project

- Designed mini web projects such as a calculator and a sketchpad
- Features include keyboard and audio support for the calculator and a random color pencil for the sketchpad
- Built using HTML, CSS, and JavaScript

CO-CURRICULAR ACTIVITIES

NTU Welfare Services Club

August 2022 – Present

Pre-Teens Club Member

- Volunteered to tutor needy Primary School children weekly for Mathematics and clarified students' doubts weekly
- Spearheaded and planned Life Skills Sessions to teach invaluable values to the children such as Teamwork, Communication

VJC Science Society

Feb 2017 – Nov 2018

Vice-Chairperson, VJC East Zone Science Carnival

- Ideated and fine-tuned more than 3 open-ended experiments for participants, reinforcing resource management skills and built confidence in public speaking
- Facilitated the event with a group of 5 to heighten interest in science among Secondary School students

TECHNICAL SKILLS

Programming Languages: C, Python, JavaScript, Java, HTML, CSS, SQL, R

Frameworks/Tools: React, NodeJS, Express, MongoDB, MySQL, Bootstrap, Git, RShiny, PowerBI, Django