

CHUA YI XUAN

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EDUCATION

University of Wollongong – SIM campus Oct 2021 – Sep 2024
Bachelor of Computer Science (Big Data)

National Junior College 2018 – 2020
A'Level

Nan Hua High School 2014 – 2017
O'Level

TECHNOLOGIES AND LANGUAGES

- Languages: JavaScript, Typescript, PHP, Python, Java, HTML, CSS
- Frameworks/Tools: React, Laravel, Yii2, Tailwind CSS, Git, GitLab
- Technologies: REST APIs, MySQL
- Other: Web development, UI/UX Design

WORK EXPERIENCE

Allied Container Group Jun 2023 – May 2024

Web Developer (Oct 2023 – May 2024)

- Collaborated with a team of 3 members to develop a React-Laravel application.
- Full stack development of fully functional features.
- Enhanced user experience by implementing a draft feature to improve work efficiency and safeguard from data loss.
- Strengthened application security by implementing multi-factor authentication and OAuth.
- Implemented design system in React based on UI/UX designs, enabling future scalability and streamlining frontend development.
- Developed and tested RESTful APIs, ensuring seamless integration and application performance.
- Worked in an Agile environment, collaborating with cross-functional teams to refine project scope and implement features based on evolving requirements.

Web Developer Intern (Jun 2023 – Sep 2023)

- Developed new features using Yii 2 Framework (PHP) and Tailwind CSS.
- Utilised the Model-View-Controller (MVC) architectural pattern for structured and maintainable code.
- Researched and applied Search Engine Optimization (SEO) strategies, enhancing SEO scores for multiple websites.
- Gained hands-on experience with Git and GitLab for version control and team collaboration.
- Wrote clear and concise documentation for newly developed features, aiding future development.

Panda Student Care Aug 2022 – May 2023
Tutor

- Provided academic support and monitored students' progress.
- Created lesson plans aligned with current MOE syllabus.

Fullerton Health Group Dec 2021 – Aug 2022
Admin

- Managed large-scale customer data using Excel.
- Registration and scheduling of medical testing for clients.

PROJECTS

3D Space Planning Tool Application

Mar 2024 – Sep 2024

- Worked in a team of 5 to bring to life a 3D space planning application that is designed with inclusivity of people with special needs or disabilities in mind.
- Used technologies like Three.js, React, Tailwind CSS, REST API, AWS s3 buckets to build our multiuser web application.

Real Estate Application

Mar 2024 – May 2024

- Created a real estate portal for real estate agent, potential sellers and buyers.
- Fully in charge of frontend, from planning to execution.
- Worked closely with backend team to make sure frontend goes well with backend logic.

Network Infrastructure Planning

Oct 2021 – Nov 2021

- Worked in a team of 5 members to design a network system for a start-up, while taking into account security, scalability, fault tolerance and load.
- In depth research on software and hardware to ensure the best value in terms of cost and durability.

CCA/LEADERSHIP EXPERIENCE

National Junior College

Dec 2019 – Feb 2020

Orientation Group Leader

- Led 20 students through school orientation, motivating them and ensuring their welfare.
- Aided the planning committee prior to the actual orientation
- Came up with back up activities in the face of covid-19 outbreak causing cancellation of many pre-planned activities

National Junior College

Dec 2018 – Oct 2020

Interact Club Member

- In a team of 6 members that volunteers weekly at Newtown Primary School, offering tuition and planning enrichment activities for the children under the CareHut student care centre
- Took part in harvest from NJC's Agri-tech farm to give to the families of tutees under the Methodist Children and Youth Centre (MCYC) scheme.
- Encouraged club members to actively participate and help out in club events

VOLUNTEER EXPERIENCE

CareHut

Jan 2019 – Oct 2020

- Mentor and provide guidance for children under CareHut, which caters mainly to children from less privileged families.
- Initiate, plan and propose enrichment and fund-raising activities.

SKILLS

- Knowledge in programming languages.
- Fluent in written and spoken English and Chinese.
- Quick learner and adaptable to new technologies.