

Zach Khong Lap Hoe

INTERNSHIP RESUME (18TH NOVEMBER 2022 - 27TH FEBRUARY 2023)

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Links

[LinkedIn](#)

[zachfolio \(personal website\)](#)

[UReview \(About Us\)](#)

Education

Bachelors of Computer Science in Data Science, Monash University Malaysia

October 2020 — Present

Currently in Year 3 Semester 1 with **CGPA of 3.875** and **84.958 WAM**

- **FIT2102 Programming Paradigms (Grade: HD)** This unit emphasizes on pure functional programming through **TypeScript (specifically RxJs)** and **Haskell** such as an **RxJs based Alien Shooter** and **Twenty-One Haskell AI**. Visit my [GitHub Page](#) for more information.
 - **FIT3179 Data Visualization (Grade: HD)** This unit teaches us about the fundamental theories of good data visualization design as well as the use of practical software such as **Tableau** and **Vegalite**. Assignments such as a **Titanic Survivor Dashboard** and a **Malaysian COVID Dashboard** has given me technical skills to apply taught visualization theories. Visit my [Tableau Page](#) and [GitHub Page](#) for more information.
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Courses

Foundation of User Experience (UX) Design. Coursera

November 2021

Issuing Credentials: 4LTKLJQ7G2C5

Languages

Highly proficient in both verbal and written Bahasa Malaysia, Chinese and English

Highly proficient in verbal Cantonese

Institution Funded Projects

UReview Project Manager, Monash University Malaysia, Kuala Lumpur

November 2021 - Present

Responsible for the full-stack development, UI Design, maintenance, data analytics, deployment and project management of UReview. UReview is a platform for students to give feedback regarding a unit/lecturer anytime they want. It is currently used by the School of IT and School of Engineering to obtain student feedback.

- **Development Stack: Angular, React, HTML, CSS, Figma (UI) and Django**
- **Data Analytics: Pandas, Numpy, Seaborn**
- **DevOps: Docker, Kubernetes, DigitalOcean Container Registries, Droplets**

Vaccu Frontend Developer, Monash University Malaysia, Kuala Lumpur

January 2022 - July 2022

Responsible for the Frontend Development, and maintenance of Vaccu. Vaccu is a platform designed for the School of Medicine of Monash Malaysia to upload their vaccine certificates as per the school requirements. This system makes it easier for the school to manage and keep track of vaccination information provided.

- **Stack: React, Django and Figma (UI)**
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Personal Projects

zachfolio (personal website)

November 2021 - Present

I make sure to create what I want as well during my breaks and free time. I have taken the time to create a small space for myself on the internet! A rewarding experience.

- **Development Stack: ReactJs, Chakra UI**

Website: <https://zachkhong.info/>

Special Interest Group Senior Lead (SIG, MUMTECH Monash)

March 2022 - Present

SIG is a committee formed by MUMTECH Monash Malaysia to support the sharing of domains that are not present in the current curriculum of Monash Malaysia. I was the Senior Lead for Web Development and a speaker for a Deep Learning Workshop as part of my participating agreement.

- **Introduction to Machine Learning and Deep Learning ([YouTube Link](#))**
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Work Experience

Coding Instructor at Raspi Sekolah, Raspi Sekolah, Kuala Lumpur

May 2021 - June 2022

Responsible for organizing Scratch coding classes for kids, twice a week as well as syllabus planning and presentation for the occasional YouTube mass live streams.

- **Free Scratch Coding Lesson for SMK Intan Baiduri ([Link](#))**
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Extra Curricular

QuickHack 2021 Finalist, MUMTECH (Year 2 Participant)

Developed a Minimum Viable Product (MVP) for a product called QuickPark which aims to make the process of Parking Hunts deterministic. Refer to my website for more information about the project.

- **Development Stack: Angular, Firebase**

QuickHack 2020 Participant, MUMTECH (Year 1 Participant)

Developed a Minimum Viable Product (MVP) for a product called Huddle, allowing couples to interact via emotions during the pandemic period. Refer to my website for more information about the project.

- **Development Stack: HTML and CSS**