



# Kelvin Ong Zhao Kang

A recent graduate with a upper second class BSc degree in Applied Science majoring in aquatic biology. Self motivated, a team player with remarkable enthusiasm in aquaculture, while having developed a wide range of laboratory and technical skills during his involvement in aquaculture research and projects. Currently seeking to pursue his graduate studies related to aquaculture.

## Contact

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**Address**  
Penang Island, Malaysia

## Education

09/2018-09/2022  
**Bachelor of Applied Biology**  
Major in Aquatic Biology - CGPA3.61  
Universiti Sains Malaysia (USM)

## Certificates

- Dean's List Award (2020 - 2021)
- 12th IMT-GT UNINET Bioscience International Conference (2020)  
-Participant
- Tropical Phyconomy Coalition Development 1: Eucheumatoids (2021)
- Principles of HPLC (2021)
- UGM Summer Course on Tropical Aquaculture and Fisheries Management (2022)  
-Best Group Award

## Language

English  
Malay  
Chinese

## Work Experiences

**11/2021 - Present**  
SATREPS, USM

### Research Asisstant

- Biorecovery of polymer
- Assisted in shrimp feeding trial experiment
- Assisted in shrimp disease challenge involving *Vibrio* sp.
- Shrimp dissection for histological experiments and observation under Scanning electron microscope (SEM)

**08/2021- 10/2021**  
Star Feedmills (M) Sdn Bhd, Perak

### Intern

- Sample and material preparation from specimen provided by farmers
- White leg shrimp and tiger shrimp genome extraction for disease detection
- Assisted PCR Lab Officer to carry out q-PCR
- Maintained equipment condition and laboratory cleanliness

**08/2020- 09/2020**  
Macaca Nemestrina Project, Perak

### Volunteer Field Research Assistant

- Observed and recorded the behavior of Macaques on field daily
- Ensured the Macaques were habituated
- Kept records of every individual Macaques in troop
- Collected fecal material of Macaques to study its natural diets
- Data analysis of the route of Macaques daily activity from GPS devices

**09/2019- 03/2020**  
L24 Aquaculture Research Complex, USM

### Aquaculture Volunteer

- Responsible to take care of the wellbeing of the fishes, shrimps and crayfish.
- Monitor and maintain water quality in the tanks
- Assisted in the research projects of final year students and postgraduate student
- Prepared fish diet from raw materials

## Extra-Curricular Activities

09/2018- 08/2019

### Green Lung USM

Assistant Executive Committee

09/2019- 08/2020

### USM Rowing Team

Captain

06/2021- 06/2022

### Malaysian Fisheries Society

Member

## Leadership Experiences

2019

### Science Mashup Carnival

Committee

2020

### Penang International Dragon Boat Festival

Captain

2019,2020

### Malam Bumi Kenyalang (Sarawak Culture Night )

Committee

## Skills

Certified PADI Open Water Diver

Microsoft Office (Excel, Word, PowerPoint)

IBM SPSS Statistics

6/2018 - 8/2018

Elite Tuition Centre, Miri

### Primary School Tutor

- Guided students to complete homework assignments, identify lagging skills and correct weaknesses.
- Planned lessons for allotted time to improve their understanding and knowledge in subjects
- Oversaw classroom discipline

## Research Experiences

2021-2022 (Final Year Project)

### Influences of Black Soldier Fly Larvae (BSFL) Meal as Food Ingredient for Redclaw Crayfish, *Cherax quadricarinatus* (Von Martens, 1868) on Growth Performance and Moulting Rate

Studied the potential of BSFL meal as an alternative aquafeed ingredient and determined the optimum inclusion level of BSFL meal by comparing the growth performance and moulting rate of crayfish.

Skills Acquired:

- Cultivation of BSFL from egg stage to prepupae stage
- Feed formulation and feed preparation
- Proximate Analysis for nutrient content
- Gas Chromatography Analysis to determine fatty acid composition
- Experience in crayfish feeding trial experiment

2022- Present

Feed additive in white leg shrimp diets

Currently studying the effects of feed additive on the growth performance and improvement of survival rate after infection by disease.

## References

**Prof. Dr. Alexander**

**Chong Shu Chien**

Final Year Project supervisor, Lecturer

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**Prof. Dr. K Sudesh**

**Kumar**

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