

# Yew Wei Teh

## Biomedical Engineering Student

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**Portfolio** <https://ywei-self-portfolio.streamlit.app/>

A third-year biomedical engineering student studying at Universiti Tunku Abdul Rahman, seeking an internship opportunity in a related field. Artificial Intelligence, biomechanics, bionics, and biocomputing are my fields of interest. A 6-month internship is preferable that can be started from July 2023 onwards, or a 3-month internship that starts from October 2023 will do as well.

## Research Project

### A Kinematic Model for Evaluating Running Biomechanics

- Simulating and developing kinematic and kinetics models to perform running analysis in terms of the joint moment, muscular force, etc.
- Analyzing the differences in running patterns between Western and Asian people.
- Assessing the effects of wearing hard and soft cushion pads on the test subjects respectively while running.
- Predicting energy and power expenditure while the test subjects were running.

## Work Experience

Feb 2020 ~  
Jul 2020

### Shipping Clerk

Federal Oats Mills Sdn. Bhd. - Butterworth, Penang, Malaysia

- Daily responsibilities in handling documentation related to shipping, such as delivery orders, invoice and freight documentation, etc.
- Reviewed order data to verify transactions and shipping orders.
- Maintained accurate computer records with the paperwork documents.
- Gained an opportunity to serve as a meeting secretary and wrote a formal meeting minutes for the disciplinary meeting, assisting the human resource assistant manager of the company. In the end, the employment of the defendant was retained.

## Education

Oct 2020 ~  
Oct 2024  
(Expected)\*

### Bachelor of Biomedical Engineering with Honours

Universiti Tunku Abdul Rahman - Kajang, Selangor, Malaysia

- CGPA: 3.4969 out of 4.0000
- Dean's List [Semester 3 Year 1 & Semester 3 Year 2]
- Highlights of subjects :- Signals, Circuits and Systems (A-), Biomedical Instrumentation (A), Materials in Biomedical Engineering (A-), Artificial Organs (B+)

Feb 2023 ~  
Current

### Bachelor of Science in Applied Artificial Intelligence

IU International University of Applied Sciences - Berlin, Germany

- Online Part Time Study

Jun 2018 ~  
Dec 2019

## **Malaysian Higher School Certificate (STPM)**

Chung Ling High School Butterworth - Butterworth, Penang, Malaysia

- CGPA 3.42 out of 4.00
- General Studies (B), Mathematics (A-), Chemistry (A-), Biology (B+)

## **Additional Skills**

- OpenSim
- AutoCAD and SolidWorks
- Python
- C++
- Matlab

## **Hobbies and Interests**

### **Unreal Engine & Unity**

- Creating 3D mini-games inclusive of non-playable characters (NPCs) with a certain extent of artificial intelligence attributes by using Unreal Engine or Unity.

### **Discord Bot**

- Successfully created a mini music Discord bot capable of playing YouTube and Bilibili videos.

## **Certificates and Licences**

- Valid Driving License
- Certificate of Graduation in Python (issued by Code With Mosh)
- TOEFL iBT [Score: 89 out of 120; Reading (23), Listening (19), Speaking (21), Writing (26)]