

# Yew Wei Teh

## Biomedical Engineering Student

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

Highly motivated third-year biomedical engineering student seeking an internship opportunity in the medical device manufacturing industry. Passionate about applying artificial intelligence, biomechanics, bionics, and biocomputing to enhance healthcare solutions. Looking for a 3-month internship starting from October 2023.

## Research Project

Jan 2023 ~  
Current

### **A Kinematic Model for Evaluating Running Biomechanics**

- Developing and simulating kinematic and kinetics models to analyze running biomechanics, including joint moments and muscular forces.
- Investigating differences in running patterns between Western and Asian populations.
- Assessing the effects of hard and soft cushion pads on running performance.
- Predicting energy and power expenditure during running activities.

## Work Experience

Feb 2020 ~  
Jul 2020

### **Shipping Clerk**

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

- Handled shipping documentation, including delivery orders, invoices, and freight documentation.
- Verified transaction records and shipping orders by reviewing order data.
- Maintained accurate computer records and organized paperwork documents.
- Assisted the Human Resource Assistant Manager as a meeting secretary, preparing formal meeting minutes for a disciplinary hearing that resulted in the retention of the employment of the defendant.

## 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 relevant 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**

- Proficient in OpenSim, AutoCAD, SolidWorks, Python, C++, and Matlab.
- Well-skilled in analogue and digital signal processing
- Strong analytical and problem-solving abilities.
- Good written and verbal communication skills.
- Team player with the ability to collaborate effectively.

## **Hobbies and Interests**

### **Unreal Engine & Unity**

- Developed 3D mini-games with Unreal Engine and Unity, incorporating non-playable characters (NPCs) with artificial intelligence attributes.

### **Discord Bot**

- Successfully created a Discord bot capable of playing YouTube and Bilibili videos by using Python.

## **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)]