



# Tan Zitang

Motivated Mechatronics Engineering graduate with a strong foundation in the principles of mechanical and electronic systems. Eager to apply academic knowledge and hands-on experience to contribute to innovative projects and solutions in the field. Proficient in designing, testing, and maintaining automated systems, with a keen eye for detail and a passion for problem-solving. Additionally, I have a deep love for coding, particularly in the realm of AI and machine learning, where I enjoy exploring new algorithms and techniques. Strong communication and teamwork skills developed through collaborative projects and internships. Seeking opportunities to leverage my technical expertise, adaptability, and a commitment to continuous learning in a dynamic engineering role.

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## EDUCATION

### Bachelor of Mechatronics Engineering with Honours

Universiti Tunku Abdul Rahman

01/2020 - 12/2023

Final CGPA 3.1752

#### Courses

- Skilled in multiple programming languages (C++, Python, HTML, CSS).
- Proficient in using AutoCAD and SolidWorks to design and model mechanical components, demonstrating a strong foundation in mechanical design.
- Hands-on experience in CNC machining and 3D printing, enabling the conversion of design concepts into precise physical prototypes.
- Keen interest and knowledge in soft robotics, contributing to a growing field with applications in various industries.
- Familiarity with micro electro-mechanical systems (MEMS), a crucial technology in miniaturized devices, sensors, and actuators.

## WORK EXPERIENCE

### Internship

Huawei Technologies (Malaysia) Sdn. Bhd.

10/2022 - 01/2023

#### Achievements/Tasks

- Assisted mentor on antenna designation and prepare quotation of links between antennas.
- Assisted mentor in managing communication with clients and colleagues from various departments.
- Attend meetings with project manager and clients for updating progress.

## SKILLS

PLC

Artificial Intelligence

Machine Learning

MEMS

Robotics

AutoCAD

3D Printing

Solidworks

Soft Robotics

Math abilities

Microsoft Excel

Microcontrollers

Electronics Hardware Design

Knowledge of C++ and Python

## PROJECTS

### Mechatronics System Design (06/2023 - 10/2023)

- Built a prototype for certain desired purpose based on 3D printer concept.
- Learned about implementing drivers and electronic devices.
- Understand the mechanism of the prototype.

### Soft Robotics (FYP) (01/2023 - 10/2023)

- Built a soft robot prototype for maneuvering in tight spaces.
- Understand the knowledge of soft robotics.
- Learned about implementing microcontrollers such as Arduino.

## LANGUAGES

English



Chinese



Malay



Cantonese



German



## INTERESTS

-Playing piano

-Coding