

# Jawad Tanana

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## **Career Profile:**

Brave and enthusiastic Engineering Mechatronics student currently studying at the UNSW. Enjoy pursuing related knowledge, which aids in developing an elaborate technical foundation to establish and further career objectives as an effective engineer.

## **Education:**

UNSW Sydney

**February 2020 - December 2025**

Bachelor of Mechatronic Engineering and Computer Science

Relevant Course Work

- Comp1511 - C Language.
- Engg1811 - Python.
- MMAN1130 - Manufacturing and Solid works CAD and CAM.
- Comp2521 - Data Structures and Algorithms.
- Comp1531 - API's, HTTP Routing and Backend Python programming

## **Personal Projects:**

### **Implemented Coding/IPT into Curriculum:**

- Educated K-12 aged students how to code scratch language.
- Engineered robots and ran tutorials to be controlled via block code.
- Class management and simplifying complex content.

### **Arduino Projects:**

- Constructed hardware and software system for traffic lights at age 14.
- Commenced in the assembly and programming of a UAV using various materials to integrate and creating a functioning unmanned aerial vehicle.
- RFID tag dumping and replication security system for home project.
- Introduced to coding and the art of problem solving.

## **Experience:**

### **Jaycar Electronics**

**Oct 2021 – Present**

*Electronic expert*

- Collaborated closely with a team.
- Originate and develop constructive ideas for customers on projects.
- Effective and positive communication with customers to understand problems and generate real time solutions.
- Displayed an ability to learn rapidly and adapt quickly to changing situations.

### **Test Point Consultancy**

**June 2021 - September 2021**

*Mechatronic Engineer*

- Managed Application Programming Interface (API) and integrating with generic projects.
- Utilized tools such as Jira and Vansa.
- Explored Radio Frequency Identification technology and implemented with a time management system.
- Increased efficiency of tagging in to work by ~25%.

- Developed collaboration skills within a diverse team of co-workers and practiced effective project communication.

### **Synergy Scaffolding:**

***December 2019 - February 2020***

*IT Trainee*

- Managed networking tools and computer architecture.
- Utilized tools such as Jira and asset tracking systems (WASP).
- Provided accessibility to Virtual machine and AWS service.
- Implemented file sharing to increase organised workflow and productivity.
- Learnt to liaise in a large national company with multiple divisions and the communications between divisions.

### **Volunteer Experience:**

#### **Welfare Aid International – Africa:**

***July 2018***

- Attended and supported schools, orphanages, and local communities in Tanzania.
- Supported in delivering essential aid to locals and individuals that needed urgent surgery.
- Aided in supplying school with educational supplies and hygiene equipment.

### **Technical Skills:**

- Proficient: Excel, Word, Adobe, GitHub Workflow, Solid works, C, Python, MIPS Assembly language.