

# JAMES TAWDROUS

Data Analyst/Medical Scientist

## DETAILS

### PHONE

0425405443

### EMAIL

jtawdrous98@hotmail.com

## SKILLS

Microsoft Office



Cell culture



Data Analytics



Machine Learning



SQL



## LANGUAGES

English



Arabic



## HOBBIES

Fantasy Premier League, Reading, Creative Writing, Soccer, Engaging with people from different backgrounds

## PROFILE

- 1.5 years of experience using the python programming language to analyse and present data.
- Analysed large sets of electrophysiology data to visualise the effects of drugs on cells (pandas, seaborn).
- Experienced working in a PC2 lab as a microbiology research lab assistant
- Currently developing a random forest classifier to detect genetic markers of disease.
- Adaptable and capable of working independently as well as a hands-on and enthusiastic team member.
- Innovative, intellectually sharp and effective in solving difficult problems.

## EMPLOYMENT HISTORY

### Lab Assistant, University of Wollongong

Feb 2020 — Sep 2020

- Assisting in the development of unique structural characteristics of different cells and other microscopic species to identify their type and function.
- Provide data management support to improve data quality and completeness including data analysis and reporting.
- Coordinate, perform and test monthly data updates and quality improvement data updates regarding cell culture, gas chromatography, electrophysiology and the statistical analyses associated with these techniques.

### Volunteer Histology Teaching Assistant, University of Wollongong

Feb 2020 — Jun 2020

- Initially assisted the head academic with aiding students to identify structural characteristics of cell types under the microscope.
- Marked student online lab workbooks during the Covid-19 pandemic when the course moved online

### Grass Roots Soccer Coach, Moorebank Sports Club, Rockdale City Raiders

Mar 2018 — Sep 2019

- Coaching assistant in 2018 for Moorebank sports
- Managed the Rockdale City Raiders U16s boys team in 2019

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## **EDUCATION**

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### **Bachelor of Pre-Medicine, Science and Health, University of Wollongong**

Feb 2017 — Nov 2019

### **Honours in Bioinformatics, University of New South Wales**

Feb 2021 — Present

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## **VOLUNTEERING**

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### **Riverwood Community Centre**

Feb 2020 — Present

- Provide support to Aged care residents.
- Assistance during client shopping trips for the elderly.
- Participated in cooking of hot meals for the homeless and those otherwise who had no means.
- Creation and distribution of informational brochures.
- Provided general, physical and emotional support.

### **Sunday School**

St Marks Coptic  
Orthodox Church

Jan 2019 — Present

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## **REFERENCES**

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**References available upon request**