

# Tony Mao

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Australian Citizen

[tonymao8.github.io](https://tonymao8.github.io)

**Data Science:** Python, R, SQL, TensorFlow

**Developer:** ReactJS, Java, AWS

## Experience

### Junior Data Engineer

**Apr 2021 – Present**

*WithYouWithMe*

- Designing and building WYWM's data architecture using a Data Warehouse (Redshift + dbt).
- Ensuring monitoring and quality of the data through automated testing, CI/CD, and IaC.
- Performing analysis on data and processes to identify opportunities for improvement.

### AI Research Assistant

**Feb 2021 – Present**

*UNSW Graduate School of Biomedical Engineering*

- Developing an algorithm to detect early signs of a stroke.
- Developing an algorithm to predict a patient's rate of recovery.
- Creating real-time dashboards for monitoring patient progress using Azure IoT.

### Founder

**Aug 2020 – Present**

*Tapit*

- Grew customer base to 200 paid users through developing and executing a sales strategy.
- Conducted user interviews and created prototypes in Figma.

### Business Development Intern

**Dec 2020 – Feb 2021**

*Amazon Web Services*

- Designed and deployed a scalable data lake for internal team members using AWS CDK.
- Built visualizations to automate team reporting, reducing time spent by 50%.
- Analysed data to deliver strategies to improve customer engagement and team collaboration.
- AWS Solutions Architect Associate Certified.

### Technical Analyst

**Mar 2019 – Sep 2019**

*Divide By Zero*

- Built a Machine Learning model to predict the likelihood of customer purchase for Spotlight Australia using Google Cloud.
- Revamped internal workplace technologies, reducing complaints by 80%.

### Data Analyst

**Feb 2019 – Jul 2019**

*Bench*

- Designed and implemented a scalable data analytics solution to enable data-driven strategies for marketing campaigns.
- Delivered marketing strategies for reducing cost per acquisition based on analysis of customer conversion patterns in the entertainment industry.

## Education

### Bachelor of Business Analytics/Computer Science

**Graduating Jun 2021**

University of New South Wales, WAM 72.