

# Tony Mao

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**Data Science:** Python, R | **Web Development:** React, Ruby on Rails, SQL, Java

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## Experience

### TECHNICAL ANALYST

March-September 2019

DIVIDEBYZERO

- Built a machine-learning model to predict likelihood of customer purchase.
- Identified key gaps in client's data collection strategies.
- Revamped internal communication technologies.
- Trained in marketing campaign management in Salesforce.

### DATA ANALYST

February - July 2019

BENCH

- Analysed datasets to determine customer conversion patterns.
- Delivered marketing recommendations for reducing cost per acquisition.

### SOFTWARE ENGINEER

January 2019

UPRISE

- Troubleshooted front-end user queries using React.
- Performed code reviews and assisted in debugging efforts.

## Education

### B.S. IN BUSINESS ANALYTICS/COMPUTER SCIENCE

Graduate Nov 2021

University of New South Wales. WAM: 72.

## Projects

### FINSOC WEBSITE 2020 (Website, Team Lead)

- Redesigned student society website and updated code for newest version of **Ruby on Rails**. Added automated tests and patched security vulnerabilities.

### CSE JOBS BOARD 2018 (Website, Team member)

- Designed and implemented front-end for a student employment website using **React** and **Agile** methodology. Wrote and executed test cases.

## Activities

- **Social Director, Computer Science Society** (October 2018 - April 2019). Main event organiser for the CSE student community. Led a **30 person** team to plan and run a camp with a **30k** budget.
- **Business Analyst, ThoughtWorks** (March - May 2019). Business analysis training in an agile environment. Included prototyping, user story mapping and stakeholder management.