

# MERVIN TEE

I have an inquisitive nature and often find myself digging deep into things that are interesting or useful. Over the last two years, I have grown interest in data analytics and machine learning. Coupled with the nature of my job, I frequently find myself discussing about health-related matters with my clients. Currently, I am looking for opportunities to grow my knowledge and apply the skills I have picked in my personal developments to better contribute to the public health sector.

## SKILLS AND ABILITIES

- Teamwork
- Literature Review
- Microsoft Office
- Data Analysis (R and Python)
- Machine Learning (TensorFlow)

## REFEREE DETAILS

### Dr Iain Brownlee

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### Dr Gerard O'Brien

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## CONTACT DETAILS

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## CAREER HISTORY

### SOCIAL WORKER

*Woodlands Social Centre, 2019-present*

- Assisting families to grow towards resilience and self-sustainability.
- Coordinating intervention plans with professionals to provide aids that are helpful for each needy family.
- Observing their lifestyle and physical activities provide recommendations to improve their health.

### PROGRAMME COORDINATOR

*New Life Community Services, 2017-2019*

- Mentored youths and developed programmes that aid youths in building their life skills.
- Counseled youths that struggled with behaviour issues.
- Coordinated events for children and the community.

### EXPERIMENTAL OFFICER

*Newcastle University, 2014-2016*

- Involved in research on whole-grain consumption in Singapore's children.
- Provided technical support for laboratory classes.
- Supervised undergraduate students' projects

## PUBLICATIONS AND POSTERS

### DIGITAL HEALTH PROFESSIONS EDUCATION ON DIABETES MANAGEMENT: SYSTEMATIC REVIEW BY THE DIGITAL HEALTH EDUCATION COLLABORATION

*Journal of Medical Internet Research.*

Huang, Z., Semwal, M., Lee, S.Y., Tee, M., Ong, W., Tan, W.S., Bajpai, R. and Car, L.T, 2019.

### WHOLE-GRAIN FOOD CONSUMPTION IN SINGAPOREAN CHILDREN AGED 6-12 YEARS

*Journal of Nutritional Science.*

Neo, J.E., Salleh, S.B.M., Toh, Y.X., How, K.Y.L., Tee, M., Mann, K., Hopkins, S., Thielecke, F., Seal, C.J. and Brownlee, I.A., 2016.

### CHARACTERISATION AND OPTIMISATION OF TWO STRAINS OF KEFIR GRAINS AND OPTIMISING HIGH AND LOW TEMPERATURE TREATMENTS TO KEFIR YOGHURT.

*International Life Science Institute (Conference)- The Gut Its Microbes and Health*

Tee M. and O'Brien, G., 2016.

## PERSONAL DEVELOPMENTS

### HANDS-ON MACHINE LEARNING WITH SCIKIT-LEARN, KERAS & TENSORFLOW

*Aurélien Géron (Book), Present*

- Applying data processing and statistical analysis to prepare data for machine learning
- Creating neural networks to perform supervised learning models for prediction
- Completed mini projects on data processing and visualisation using various python packages

### DATA ANALYSIS WITH PYTHON

*freeCodeCamp, 2021*

- Picked up data analytics skills using python as the programming language
- Cleaned data for analysis using NumPy and Pandas
- Completed mini projects on data processing and visualisation using various python packages

### DATA SCIENCE SPECIALISATION

*John Hopkins (Coursera), 2020-2021*

- Picked up data analytics skills using R as the programming language
- Performed exploratory data visualisation using ggplot in R
- Created a mock NLP application using R for a course assignment (<https://merveet.shinyapps.io/SwiftkeyApp/>)

## ACADEMIC HISTORY

### GRADUATE DIPLOMA IN SOCIAL WORK

*National University of Singapore, 2019-2020*

### BACHELOR (HONOURS) IN FOOD AND HUMAN NUTRITION

*Newcastle University, 2012-2014*