

# Rachael Jaffe

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## Education

### University of Toronto

BSc (HONS) IN GLOBAL HEALTH

- Minors in Statistics and Economics
- Varsity water polo, captain 2018-2020

Toronto, ON

2016-2020

## Research Experience

### St. Michael's Hospital

RESEARCH ASSISTANT

- Currently completing research in clinical epidemiology examining different cohorts of patients with spinal chord injuries.
- Performing data analysis with R, SAS.
- Using statistical analysis techniques such as propensity score analysis

Toronto, ON

May 2020 - present

### Amsterdam Medical Center

RESEARCH INTERN

- Performing research in social epidemiology examining the 'driveability' index.
- Relevant work performed in ArcGIS, python, R.

Amsterdam, NL

Sept 2020 - present

### Dalla Lana School of Public Health

RESEARCH ASSISTANT

- Contributed to a project in spatial epidemiology examining greenness accessibility and distribution within Ontario.
- Performing data analysis with Python, R, ArcGIS, SPSS

Toronto, ON

Sept 2019 - August 2020

### Department of Statistical Sciences and Medical Imaging

RESEARCH OPPORTUNITY STUDENT

- Performed research on sample size and cross validation for a convolutional neural network in order to explain and model accuracy.
- Modified the architecture of the CNN in python that predicted damage of dental plates from x-ray images

Toronto, ON

Sept 2018 - April 2019

## Other Relevant Experience

### Department of Statistical Sciences

PEER MENTOR

- Mentored first year students who intend to study statistics to help them succeed in a new academic environment.
- Organized at least 1 social event per semester and connected students with resources to aid them in their transition to Toronto.
- Helped the new team of 20 mentors on their transition to an online platform.

Toronto, ON

Sept 2018 - present

### iMerciv

BUSINESS ANALYST

- Created an interview script to interview over 200 people to determine a minimum viable market for their developing navigational app.
- Developed marketing strategies for Instagram, Twitter, Facebook.

Toronto, ON

Sept 2019 - Jan 2020

## Technical experience

### PROGRAMMING LANGUAGES

#### R

- Data cleaning with Tidyverse
- ShinyApps / Dashboard

#### PYTHON

- Basic knowledge of API's to download information from a website

#### GIS

- ArcGIS and QGIS
- Knowledge of standalone scripts in R and python for geospatial statistics and modelling

STATA

- High proficiency implementing various econometric methodology

## Awards

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FRANK PINDAR FEMALE ATHLETE OF THE YEAR

2019-2020

- Awarded to the top achieving female athlete at the University of Toronto

NCWP MOST VALUABLE GOALIE

2017, 2018, 2019

- Awarded to the top goalie in the Ontario University water polo league

SELECTED TO COMPETE WITH TEAM CANADA AT FISU IN NAPLES, ITALY

July 2019

- 4th overall

2ND OVERALL, U OF T DATAFEST

June 2020

- Website: <https://datafestuoft.github.io/> & Project: [https://rjaffe123.shinyapps.io/shiny\\_map\\_attempt/](https://rjaffe123.shinyapps.io/shiny_map_attempt/)