

Rachael Jaffe

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Education

Dalla Lana School of Public Health

MSC HEALTH SERVICES RESEARCH

- Institute of Health Policy Management and Evaluation (IHPE)
- Emphasis in Health Economics

Toronto, ON

Sept 2021-2022

University of Toronto

H.BSc IN GLOBAL HEALTH

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

Toronto, ON

2016-2020

Research Experience

St. Michael's Hospital

RESEARCH ASSISTANT

- Completing research in clinical epidemiology examining different cohorts of patients with spinal cord injuries based on AIS and ICD diagnostic and surgical codes.
- Performing data analysis with R, SAS.
- Using statistical analysis techniques such as propensity score matching, logistic regression

Toronto, ON

May 2020 - present

Amsterdam Medical Center

RESEARCH INTERN

- Assisted with developing a 'driveability index' for the entire country of the Netherlands by collecting different types of data (quantitative & qualitative).
- Calculated a parking pressure index per neighborhood for the whole country by spatially combining 5 different data sources.
- Relevant work performed in ArcGIS/GIS, Python, R.

Amsterdam, NL

Sept 2020 - May 2021

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

Work / Industry Experience

Dashmote

DATA ANALYST INTERN

- Hired to assist with the data pipeline to ensure accurate timing and execution of data visualization dashboard to client.
- In charge of updating, maintaining and adding to a database of over 7,000 different types of drinks that a client can request to explore for their final dashboard.
- Updating the database using SQL, python, and AWS to create keyword clusters so that our extraction algorithm can find the particular drink on a menu.

Amsterdam, NL

December 2020 - May 2021

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 - Dec 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

T-HOLDERS ACADEMIC EXCELLENCE

2020

- 'Celebrated student athletes with outstanding academic achievements at the University of Toronto while competing for the Varsity Blues in the 2019-2020 scholastic year'

2ND OVERALL, U OF T DATAFEST

June 2020

- Website overview: <https://datafestuoft.github.io/>
- Our Project: https://rjaffe123.shinyapps.io/shiny_map_attempt/

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