

# Shiv Yücel

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## EDUCATION

### University of Oxford, Oxford Internet Institute

MSc, Social Data Science – Distinction

Oxford, United Kingdom

Oct 2020 – Aug 2021

### University of Toronto, Trinity College

Hon.BA, Economics Major, Psychology/Politics Minors – CGPA: 3.81/4, Major GPA: 3.87/4

Toronto, Ontario

Sept 2016 – June 2020

## EXPERIENCE

### Project Manager & Data Scientist

Aug 2021 – present

### Data Scientist

Jan 2021 – Aug 2021

*Oxford Artificial Intelligence Ltd.*

*Oxford, England*

- Developing novel public health tools to support UK government agencies and national charities
- Analysis of high volume cell-phone mobility and pollution data to study air pollution exposure in London
- Developing data analysis pipelines as inputs to a live-updating health and inequality monitor for NHS organizations

### Research Assistant

Sept 2021-present

*University of Oxford*

*Oxford, England*

- Using job advertisement data to study skill demand within London in relation to specific employment sectors

### Economics Peer Academic Advisor

Sept 2019 – June 2020

*University of Toronto, Trinity College*

*Toronto, Ontario*

- Hosted tutoring sessions to help students prepare for economics examinations and written assignments, and organised meetings with undergraduate students to provide guidance on academic trajectory

### Business Analyst | Marketing and Corporate Digitalization

Summer 2019

*Bank of Montreal*

*Toronto, Ontario*

- Assisted in large scale cloud migration of company-wide data, and worked with marketing strategists and software engineers to implement AI chatbot

### Communications Coordinator

Sept 2018 – June 2019

*The Duke of Edinburgh's International Award*

*Toronto, Ontario*

- Organised events for members to engage in community volunteering and participate in leadership-building activities in Canadian wilderness – grew club from 20 members to over 100

## RESEARCH

### MSc Thesis | Awarded Distinction

Oct 2020 – present

### Assessing Early COVID-19 Lockdown Effectiveness in São Paulo

- Working on manuscript (first author) with Dr. Chico Camargo, Dr. Rafael Pereira, and Dr. Pedro Peixoto
- Analysing cell-phone mobility and traffic data to model COVID-19 and assess policy impacts in São Paulo
- Understand how demographic factors (eg. race, income) interact with mobility and COVID-19 transmission

### Conference Presentation | Unlocking the Potential of Artificial Intelligence for English Law

Sept 2021

- Demonstrated live-updating monitor of technological skill demand in the UK labor market for United Kingdom Research and Innovation policy tool

### Poster Presentation | Trinity College Undergraduate Research Conference

March 2020

- Presented empirical research on relationship between health outcomes and mobility patterns among nomadic Aboriginals in 19th century.

## AWARDS & ACHIEVEMENTS

### 2016-2021

- Distinction on MSc Course and Thesis, Oxford Internet Institute, University of Oxford
- Dean's List Scholar x 3, University of Toronto | The Drew Thompson Scholarship, University of Toronto
- IBM Professional Data Science Certificate | The Chancellor's Scholarships, University of Toronto
- Marion P. Osler Scholarship, University of Toronto | Trinity College Board of Stewards
- Full 42.2km Marathon x 2, Toronto

## SKILLS

Python (pandas, numpy, sklearn, etc.), analytical writing, statistics, mathematics, spatial data science