

Ministry of Foreign Affairs and Trade

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## Career Summary \_

### **Ministry of Foreign Affairs and Trade**

Wellington

ECONOMIST

October 2019 — Present

- Leading and working across several different work streams, generating value added analysis through written papers, dashboards, and recommendations. Working in-line with the Ministry strategic goals, as well as collaborating with others and delivering through consultants,
- Working across large data to generate innovative firm-level analysis which has fed a working paper that has informed on trade evaluation and the UK-NZ Free Trade Agreement, as well as the New Zealand and OECD trade and gender review,
- Working widely with domestic and international agencies and stakeholders to deliver on projects, such as the CPTPP three-year review, the
  OECD gender and trade working paper, the UK-NZ Free Trade Agreement NIA, and the Trade and Economic Group priorities,
- Regularly communicating my work and findings to different stakeholders, tailoring to different audiences so it can be better understood and more impactful.
- · Out-of-Cyle promotion for recognised contribution to the team deliverables

### **Ministry of Social Development**

Wellington

ANALYST

April 2018 — September 2019

- Collaborating amongst colleagues to forecast benefit payments for the yearly government budget as well as providing policy analysts' cost modelling results, which enabled informed decision making on policy changes,
- Regularly servicing time sensitive ad-hoc requests using complicated micro level benefit data to answer Ministry wide questions. Leveraging SAS, SQL and Excel to do so,
- Worked with the Chief Economist to developed a model that more accurately estimated the gender pay gap, and presenting these findings to senior leadership.

University of Otago Dunedii

RESEARCH ASSISTANT

January 2018 — March 2018

• Worked on an OECD Human Development Index project, which involved implementing Hierarchical and K-means clustering on survey results, in order to identify sub-population preferences for the three HDI components: Income, Health, and Education.

No. 7 Balmac Dunedin

BARISTA

October 2014 — November 2017

• Worked as a part-time barista, in a busy and popular cafe, while obtaining my degree at University.

### **Education**

### **Masters of Economics, with distinction**

Dunedin

OTAGO UNIVERSITY

2017 - 2018

## Bachelor of Science, Major in Economics, Minor in Psychology

Dunedin

OTAGO UNIVERSITY

2014 - 2016

NCEA

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RATHKEALE COLLEGE

2007 - 20

• Level 1, 2, 3

Skills

### **Programming Languages**

INTERMEDIATE

- R knowledge, as well as SAS, SQL foundations
- · Reporting in RMarkdown, and Git for version control

### **Visualization**

BASICS

- · Experience with PowerBI for dashboarding
- Experience with R Shiny for internal interactive exploratory apps

#### **Text Editors**

INTERMEDIATE

• RStudio, Notepad ++, VS Code

### **Microsoft Office**

#### PROFICIENT

· Excel, Outlook, OneNote, PowerPoint, Word

#### **Other**

#### BASICS

· HTML, CSS, Javascript, Git Bash

# **Notable Projects**

#### Academic

#### RESEARCH PAPERS

- · 'What Has New Zealand Gained from the FTA with China?: A Counterfactual Analysis' with Murat Ungor
- 'Estimating the Ministry of Social Development Gender Pay Gap' with Tim Maloney (Internal)'

### **Insights**

### MFAT RESEARCH PAPERS

- · 'Inclusive and productive characteristics of New Zealands goods export firms' MFAT Working Paper, February 2022
- 'The Productive, Sustainable and Inclusive Trade Channels Framework' MFAT Working Paper, May 2021
- 'Industry Exposure to Trade The Trade Opportunities and Risk Model' MFAT Working Paper, July 2020

# Awards & Other Accomplishments

### **New Zealand Assossiation of Economists**

#### PRESENTATIONS

- Poster Presentation on Trade Evaluation Framework; Productive, Inclusive, Sustainable Trade Channels 2021
- Poster Presentation on China New Zealand FTA won Peopeles Choice Poster Prize 2018

#### Online

#### **DATACAMP COMPETITIONS**

- Exploring UKs fatal Traffic Accidents 1st Place
- Why staff are leaving and why you should care 1st Place
- · Neither Too much nor too little but just right. A profolio assessment on the Goldie-locks of Bitcoin 2nd Place
- · Hakuna Moscato. It means drink wine A targeted approach to regional wine promotions 2nd Place

### DATACAMP CAREER/SKILL TRACKS

- Data Scientist
- · Data Analyst
- · R Programmer
- Shiny Fundamentals

### PRACTICAL CGE MODELLING COURSE

• Excelled on the course - Practical Computable General Equilibrium (CGE) Modelling. http://www.cgemod.org.uk/

### Written for The Big $\ensuremath{\mathsf{Q}}$

What can we learn from the 2008 New Zealand-China Free Trade Agreement? The Big Q, March 30, 2021

### Hospitality

### Courses

· Certified Barista

### References available upon request