

# Boyuan Wang

Canadian Permanent Resident

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## Economist

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Experienced researcher with a strong track record in high-impact analysis. Proven expertise in economic modelling, policy evaluation, causal inference, and statistical analysis to support evidence-based decision-making. Skilled in managing large datasets and performing advanced data analysis and visualization. Known for conceptual thinking, research management, and producing actionable insights. Adept at fostering collaboration in dynamic environments, with a strong commitment to continuous learning and growth.

## Technical Skills

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- Data Analysis & Database Tools: SQL, Python, R, Stata
- Data Visualization: Tableau, Power BI, Excel, QGIS
- Statistical Analysis & Simulation: MATLAB
- Word Processing & Reporting: LaTeX, MS Office

## Research Experience

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### Economic Researcher

Dec 2019 – Dec 2021

*Simon Fraser University*

*Burnaby, Canada*

- Conducted empirical research on marriage dissolution in Japan, examining how limited knowledge of a partner's Burakumin identity affects the likelihood of divorce
- Generated a detailed population density map using QGIS
- Simulated a model to demonstrate the underlying mechanism in MATLAB
- Performed comprehensive statistical and visual analyses in Stata

### Economic Researcher

Apr 2022 – Sep 2023

*Simon Fraser University*

*Burnaby, Canada*

- Investigated the relationship between pharmaceutical company campaign contributions and US state lawmakers' roll call votes on COVID vaccine mandates
- Performed web scraping and data wrangling in R to gather and process data on state legislators from various databases
- Conducted empirical analysis using Stata

### Economic Researcher

Apr 2023 – Nov 2023

*Simon Fraser University*

*Burnaby, Canada*

- Examined the mechanism behind the conscription wage premium in South Korea
- Performed statistical and visual analysis utilizing both Stata and R

### Research Analyst

May 2020 – Aug 2020

*SFU Economics Department*

*Burnaby, Canada*

- Examined academic integrity in online courses
- Identified quizzes, assignments, and exams where cheating may have occurred
- Regularly presented findings to the manager, graduate chair, and department chair
- Summarized findings into actionable reports with recommendations to prevent future cheating

## Education

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<b>Simon Fraser University</b> <i>PhD, Economics</i>	Sep 2017 – Oct 2024 <i>Burnaby, Canada</i>
<b>Simon Fraser University</b> <i>MA, Economics</i>	Sep 2016 – Oct 2017 <i>Burnaby, Canada</i>
<b>University of Windsor</b> <i>Bcomm, Business and Economics</i>	Sep 2012 – Jun 2016 <i>Windsor, Canada</i>

## Teaching Experience

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<b>Instructor</b> <i>Simon Fraser University</i> <ul style="list-style-type: none"><li>• Taught Principles of Macroeconomics (via Zoom)</li><li>• Organized and presented course materials, designed quizzes and exams to assess student performance</li><li>• Encouraged students to analyze real-world problems using economic theories with examples and exam questions</li><li>• Coordinated with teaching assistants and evaluated staff performance</li><li>• Conducted surveys to assess student understanding and satisfaction with course delivery</li></ul>	May 2021 – Aug 2021 <i>Burnaby, Canada</i>
<b>Teaching Assistant</b> <i>Simon Fraser University</i> <ul style="list-style-type: none"><li>• Led tutorial discussions and held problem-solving sessions for undergraduate students in Economics</li><li>• Held Economics Technical Workshops to help students with econometrics, Excel, Stata, and R</li></ul>	Sep 2016 – Aug 2024 <i>Burnaby, Canada</i>

## Working Papers

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- "The Heterogeneous Effects of Uncertainty on Divorces", 2021
- "Did Big Pharma Influence the Adoption of COVID Vaccine Mandates?", 2023
- "Conscription: Extensive or Intensive Margin?", 2023

## Awards, Certificates & Languages

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- **Awards:** Graduate Fellowship (5 times), Special Entrance Graduate Scholarship, P.A Della Valle Undergraduate Award in Economics, Board of Governors Medal-Business, Ben Matthews Prize in Business Administration
- **Certificates:** SFU Big Data Fellowships–Machine Learning and Artificial Intelligence Essentials, TCPS 2: CORE-2022
- **Languages:** English (Fluent), Mandarin (Fluent)

## Volunteer Experience

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<b>Policy Research Staff</b> <i>BC Provincial Election</i> <ul style="list-style-type: none"><li>• Consulted on policy development and conducted literature reviews to provide evidence-based support for various policies</li><li>• Performed door-to-door and phone interviews to assess voter preferences</li></ul>	Sep 2024 – Oct 2024 <i>Burnaby, Canada</i>
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