

# LJ Valencia

MASTER'S STUDENT · UNIVERSITY OF TORONTO

Toronto, ON, Canada

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## Education

### University of Toronto

MASTER OF ARTS IN ECONOMICS

- Courses: *Econometrics, Quantitative Macroeconomics, Time Series Analysis, Economic Applications of Machine Learning*

Toronto, ON, Canada

June 2024 (Expected)

### University of Alberta

BACHELOR OF ARTS (HONORS) IN ECONOMICS, MINOR IN POLITICAL SCIENCE

- Thesis: *An Analysis of Demographics and Voting Behaviour in the 2019 Alberta Provincial Election*
- Courses: *Advanced Macroeconomic Theory, Econometric Methods, Advanced Microeconomic Theory*

Edmonton, AB, Canada

June 2020

### Université de Montréal

EXPLORE PROGRAM (FRENCH IMMERSION)

Montréal, QC, Canada

June 2016

## Professional Experience

### Department of Economics, University of Toronto

RESEARCH ASSISTANT

- As part of a project with the Ontario Energy Board (OEB), I collaborate with a Research Team in producing an analytical report on electricity distribution companies.
- Conduct literature reviews, industry reviews, model replication and analysis, and aid with drafting portions of the report.

Toronto, ON, Canada

Jan. 2023 - present

### Department of Economics, University of Toronto

TEACHING ASSISTANT

- Ran course tutorials on class material, hosted office hours for undergraduate students, and marked exams.

Toronto, ON, Canada

Sep. 2023 - present

### Bank of Canada

RESEARCH ASSISTANT (RA) - REMOTE WORK

- As a part of the Real Economic Activity Division (READ), I constructed customized charts for policy presentations, maintained Tableau dashboards of economic indicators, and updated forecast databases.
- Operated and augmented several nowcasting models using Git, Python, MATLAB, MySQL, and Microsoft Excel.
- Collaborated with Economists on a project evaluating end-of-quarter revisions in Canadian GDP-by-Industry.
- Developed an internal MATLAB package that retrieves and arranges vintages for real-time analysis and assessment of revisions.
- As part of the Digital Transformation project, I collaborated with a team in developing a Python-based forecast software for CPI Inflation.
- Utilized tools such as Python, and YAML to establish back-end processes and front-end software features.

Ottawa, ON, Canada

Aug. 2021 - Jul. 2023

### Western Economic Diversification Canada (WD)

JUNIOR ECONOMIST

- Contributed to departmental policy formulation by analyzing economic trends and acting as a subject-matter expert within the WD Research and Analytics Team.
- Designed Python and R scripts for data analysis.
- Harnessed tools such as Microsoft Excel and Haver Analytics (Haver DLX) in conducting policy research.
- Handled multiple projects, participated in weekly meetings, and collaborated with other policy analysts in crafting policy proposals.
- Developed infrastructure to handle a large data set of Canadian small-to-medium enterprise (SME) financial information.

Edmonton, AB, Canada

Aug. 2020 - Aug. 2021

## Skills

<b>Programming</b>	Python   R   MATLAB   SQL   C   Julia
<b>Software</b>	CSS   HTML   Hugo   YAML   Git Bash   $\LaTeX$
<b>Analytics</b>	Tableau   STATA   Haver Analytics (Haver DLX)
<b>Languages</b>	Native Fluency: English, Filipino   Beginner-Intermediate: Ilocano, French, & Spanish

## Certificates

2018	<b>Bloomberg Market Concepts (BMC)</b> , Bloomberg LP	Edmonton, Canada
2020	<b>Introduction to Gender-Based Analysis Plus (GBA+)</b> , Status of Women Canada	Edmonton, Canada

## Citizenship

Country Canada