LJ Valencia

MASTER'S STUDENT · UNIVERSITY OF TORONTO

Toronto, ON, Canada

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Education

University of Toronto *Toronto, ON, Canada*
MASTERS OF ARTS IN ECONOMICS *June 2023 (Expected)*

University of Alberta *Edmonton, AB, Canada*
BACHELOR OF ARTS (HONORS) IN ECONOMICS, MINOR IN POLITICAL SCIENCE *June 2020*
- Thesis: *An Analysis of Demographics and Voting Behaviour in the 2019 Alberta Provincial Election*
- Courses: *Advanced Macroeconomic Theory, Econometric Methods, Advanced Microeconomic Theory*

Université de Montréal *Montréal, QC, Canada*
EXPLORE PROGRAM (FRENCH IMMERSION) *June 2016*

Research & Teaching Experience

University of Alberta, Department of Economics *Edmonton, AB, Canada*
RESEARCH ASSISTANT *Jan. 2020 - Sep. 2020*
- Manage large data-sets from the Database on Ideology, Money in Politics, and Elections (DIME) by writing algorithms in Python and R.
- Apply Python libraries such as Pandas and NumPy to manipulate data and craft memory-efficient solutions.

University of Alberta, Department of Economics *Edmonton, AB, Canada*
UNDERGRADUATE ECONOMICS 101/102 TUTOR *Sept. 2019 - Apr. 2020*
- Hosted tutor hours at the Department of Economics, Econ 101/102 Tutor Centre and answered questions on introductory economics.
- Supervised and provided feedback on student discussions in online forums via Packback, and proctored in-person exams.

Professional Experience

Bank of Canada *Ottawa, ON, Canada*
RESEARCH ASSISTANT (RA) - REMOTE WORK *Aug. 2021 - Jul. 2023*
- Supported Economists with analysis and short-term forecasting of Canadian real GDP and its components by constructing charts, maintaining Tableau dashboards of economic indicators, and updating forecast databases.
- Operated and augmented several nowcasting models using Git, Python, MATLAB, MySQL, and Microsoft Excel.
- Participated with Economists on a project evaluating end-of-quarter revisions in Canadian GDP-by-Industry.
- Developed of an internal MATLAB package for retrieving and analyzing real-time data.
- 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.

Western Economic Diversification Canada (WD) *Edmonton, AB, Canada*
JUNIOR ECONOMIST *Aug. 2020 - Aug. 2021*
- Assisted other Economists in providing advice to senior policymakers by assessing economic trends and acting as a subject-matter expert within the WD Research and Analytics Team.
- Designed Python and R scripts to analyze data and apply object-oriented programming (OOP) solutions.
- 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.

Skills

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

Extracurricular Activity

Greenwood Singers *Edmonton, AB, Canada*
CHORISTER *Sept. 2019 - Mar. 2023*
- Prepare for the Greenwood Singers' Christmas and Spring concerts by participating in Thursday evening rehearsals, weekend choral workshops, and practice outside of rehearsal time.

All Points West Chamber Choir
Edmonton, AB, Canada

CHORISTER
Sep. 2019 - Apr. 2020

- Perform in two concerts during the 2019-2020 academic year. Preparations include rehearsals on Tuesday evenings, weekend choral workshops, and practice outside of rehearsal time.

University of Alberta, Faculty of Education Handbell Ringers
Edmonton, AB, Canada

HANDBELL RINGER
Sept. 2019 - Apr. 2022

- Performed in a variety of concerts with the First Presbyterian Church of Edmonton Choir, the Greenwood Singers, and the University of Alberta Mixed Chorus (UAMC). Preparations include rehearsals on Wednesday evenings and weekend workshops.

Filipino International Baptist Church (FIBC)
Edmonton, AB, Canada

WORSHIP MINISTRY VOLUNTEER
Jun. 2011 - May 2023

- Contribute to the FIBC worship ministry as a worship leader, guitarist, and audio-visual operator. Preparations include music rehearsals, practice outside of rehearsal time, maintenance and management of audio-visual equipment.

University of Alberta Mixed Chorus (UAMC)
Edmonton, AB, Canada

CHORISTER
Sep. 2015 - Apr. 2020

- Participated in three concerts during the academic year. Preparations include rehearsals on Wednesday evenings and Saturday morning sectionals.
- Performed in the UAMC's Annual Spring Tour in 2016 and 2018, singing in rural and urban communities across Western Canada.
- Fundraised for the UAMC as a member of the carolling team, singing in various winter events across the Greater Edmonton Area.

Certificates

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

Projects

University of Alberta
Edmonton, Canada

CANADIAN MACROECONOMIC FORECASTING
May 2020 - Aug. 2020

- Produced a forecast of the Canadian economy using advanced macroeconomic modelling and estimation methods. Preparations include data management, time series analysis, and economic research.

University of Alberta
Edmonton, Canada

APPLIED ECONOMICS PROJECTS, DATA ANALYST
Jan. 2020 - Apr. 2020

- Participated in a team project and crafted a report for Western Economic Diversification Canada. The report presents an analysis of employment trends of underrepresented groups in Western Canada's agricultural sector. Preparations include data analysis, data management, and policy analysis.

Bank of Canada
Ottawa, Canada

THE GOVERNOR'S CHALLENGE, FINALIST
Sept. 2018 - Feb. 2019

- Collaborated with a team from the University of Alberta and presented an interest rate policy recommendation to the Bank of Canada based on independent analysis of current economic trends. Preparations include data visualization, time series analysis, and economic forecasting.

Citizenship

Country   Canada