

Jesse Anne Uszkay

Waterloo, ON | jesseuszkay@gmail.com | 905-334-3746 | [linkedin.com/in/juszkay](https://www.linkedin.com/in/juszkay) | github.com/jesseuszkay

Education

- **Master of Arts in Economics | University of Waterloo** | Sept 2019 - May 2020
Relevant Courses: Econometrics I & II (R, MATLAB), Applied Macroeconometrics (Python, R)
- **Bachelor of Arts in Honours Economics | University of Waterloo** | Sept 2013 - Dec 2017
Relevant Courses: Introduction to Computer Science (Racket), Algebra for Honours Mathematics, Senior Honours Essay (SAS)
- **Software Engineering Diploma | BrainStation** | April 2023 - June 2023

Skills

- **Working Knowledge:** HTML, CSS, JavaScript, React, Sass, Node.js, Express, Figma, MySQL, Microsoft SQL Server, Python, Data Analysis (R, Stata), RESTful API, JSON, Netlify, Heroku, Git, GitHub, VS Code, Agile, Scrum, Kanban
- **Exposed To:** TypeScript, Next.js, Tailwind, Material UI, Mantine UI, SQLite
- **Languages:** English (native), French (bilingual)

Experience

Full Stack Software Engineer | Kuarts, Inc. | Toronto, ON | July 2023 - Sep 2023

React, Node.js, Express, Python, Refinitiv, MySQL, SQL, Knex

- Spearheaded MVP development for a FinTech start-up, orchestrating a remote team to transform the founder's vision into a functional application, driving successful customer acquisition and fundraising efforts.
- Engineered real-time valuation capabilities utilizing data from 50,000+ M&A deals and competitive intelligence. Established a robust data pipeline with Python and Refinitiv Data Platform, designed a structured MySQL database, implemented a Node.js and Express server, and integrated an interactive user interface using React.

Full Stack Software Engineer | Grocerist | Toronto, ON | June 2022 - Mar 2023

Microsoft SQL Server, Microsoft Azure, Shopify Plus, Liquid, REST API, Data Engineering

- Applied proficiency in Liquid code and Shopify Flow for automated task execution, including the development of interactive product displays and customized storefront layouts for customized e-commerce solutions for grocery stores using Shopify Plus. These tailored enhancements markedly improved user engagement, resulting in a significant increase in sales.
- Orchestrated seamless integration with the inventory management system API, ensuring real-time synchronization of critical data. Engineered and debugged custom Shopify applications, enhancing platform functionality. Implemented and optimized CRON schedules for automated, timely tasks within the backend infrastructure.
- Rearchitected data schema and migrated data from generic platform design, to specifically solve data quality problems for grocery inventory data using Azure SQL Database and Excel VBA ensuring 99.9% data and product accuracy

Research Project Officer | University of Waterloo | Waterloo, ON | Jan 2021 - June 2022

R, LaTeX, Survey Design, Quantitative and Qualitative Data Analysis, Report Writing, Grant Proposal Writing, Team Management

- Developed a national survey for 1000+ participants to inform policy and budgetary initiatives in response to COVID-19 which was the basis of a \$1.7 million IRCC-funded research project to bring racialized immigrant women into the Canadian economy.
- Co-wrote two published knowledge syntheses incorporating economic analysis and infographics.
- Managed 10 research assistants and demonstrated skills in data analysis, project management, and effective communication.

Policy Analyst & Economist | FedDev Ontario (Government of Canada) | Waterloo, ON | Oct 2020 - Jan 2021 (Casual Contract)

R, Excel, Research Presentation, Collaborative Research

- Conducted detailed research analysis to inform policy decisions in Southern Ontario.
- Collaborated closely with the economic research team to build effective presentations of research findings.

Software Project

[gotokaraoke](#) (GitHub Repository) | Capstone Project | React, Node.js, Express, MySQL

- Created a karaoke song selection platform with a curated song database and specialized selection and filtering tools.
- Developed a synchronized cross-platform saved songs feature, optimizing usability and functionality for users.