Jesse Anne Uszkay

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Education

- Software Engineering Diploma | BrainStation | April 2023 - June 2023
- Master of Arts in Economics | University of Waterloo | Sept 2019 - May 2020
- Bachelor of Arts in Honours Economics | University of Waterloo | Sept 2013 - Dec 2017

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 (Freelance)

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

- Led development of MVP for a new FinTech start-up, working with a small remote team to translate founders' vision into a fully functional application that enabled them to successfully kick off customer acquisition and fundraising.
- Built the ability for the application to instantly create and share accurate valuations based on 50,000+ M&A deals and competitive intelligence. Designed and set up data pipeline to source niche financial data using Python and Refinitiv Data Platform, architected and set up MySQL database, and created Knex migration and seeding files for database replication.
- Designed and developed a rich-context and dynamic-responsive table for displaying competitor data based on user-defined search criteria, and enabling custom per-cell calculations based on user input, using React, Node.js, and Express.

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

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

- Leveraged data science and technical skills to provide customized e-commerce solutions for grocery stores using Shopify resulting in a 30% increase in online sales
- 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
- Adapted existing Shopify Apps, and customized and configured Shopify platforms with custom solutions.

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 focused on bringing 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 Projects

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

- Developed an innovative karaoke song-selection platform, featuring an extensive curated song database with additional selection criteria and specialized tools for song selection and list-making.
- Spearheaded the creation of an intuitive search and filtering system, as well as a synchronized cross-platform saved songs feature, optimizing user experience.
- Elevated technical proficiency through the development of this user-centric full-stack application, which encompassed robust database architecture and a responsive UI design.