

SUMMARY OF QUALIFICATIONS

- **Languages:** Python, Java, JavaScript, SQL, R, HTML, CSS, VBA
- **Frameworks/Libraries:** Pandas, NumPy, PySpark, PyTorch, React.js, Node.js, Flask
- **Developer Tools:** Databricks, Azure, Git, REST APIs, JSON, Power BI, Visual Studio, Tableau, JIRA, Figma,

WORK EXPERIENCE

Data Science Intern | Ministry of Transportation Ontario

Sep 2023 – Dec 2023

- Developed Power BI dashboards, informing strategic decisions on Asset Management, and yearly budget submissions
- Automated end-to-end data pipelines with Databricks and PySpark, streamlining data processing and analysis by 15%
- Implemented Medallion Data Architectures in Databricks, ensuring optimal data quality for analytics by 20%
- Utilized PySpark & Scikit-learn to construct regression models, projecting costs based on road conditions and inflation

Data Risk Analyst Intern | QuestEnterprise Inc

Jan 2023 – Apr 2023

- Enhanced customer data traceability and risk management by 20% by formulating a data lineage model using Collibra
- Developed 10+ IT assessments and risk protocols to identify process gaps and mitigate stakeholder risks by 15%
- Transitioned team to Agile Framework using JIRA, optimizing project management, and reducing planning time by 40%

Project Manager Intern | Finastra

May 2022 – Aug 2022

- Led and managed 15+ IT Projects (Technical Initiatives, PROD Releases, Product Auditing) with cross functional teams
- Increased project efficiency by 20% by enforcing Agile and Scrum methodologies to manage projects through JIRA
- Managed the deployment of 5+ software releases to production by coordinating with Dev, DB and QA teams
- Forecasted future project strategies and finances by analyzing software traffic data using VBA and Power BI reporting

Team Lead | Institution of Industrial & Systems Engineers, IISE

Sep 2022 - Present

- Restored a dormant team, and grew the chapter to 30+ members creating added avenues for Industrial Engineers
- Managed financial budgets and raised \$20k+ in sponsorship for team events through strategic partnerships
- Increased club membership by 60% by managing the Waterloo IISE social media platforms and outreach activities

PROJECTS

M3DI AI | Python, PyTorch, OpenAI, API, WhisperAI, Transformers (Hugging Face), Flask | 🌐

Present

- Developed a Flask web application allowing doctors to record conversations, optimizing patient documentation by 20%
- Incorporated speech-to-text transcription in 15+ languages using WhisperAI by OpenAI, achieving 98% accuracy
- Built ML model using PyTorch to transform transcriptions into structured notes using insights from OpenAI GPT-4

ProdFrost, UWaterloo Product Management

Nov 2023

- Won 2nd place in the UW ProdCon for developing and pitching a strategic launch strategy for a tech product to panelists

Food & Fun 4 Kids, Women in Engineering | React Native, JavaScript, Node.js, Figma | 🌐

Nov 2023

- Won 3rd place in the WIE Hackathon by developing a feasible solution for Food4Kids non-profit to detect chronic hunger
- Designed, developed, & prototyped the UI/UX of different mobile application features using Figma, React.js & Javascript

CineCritique | JavaScript, React.js, Node.js, MySQL, Express, HTML, CSS | 🌐

Jun 2023

- Developed a full stack web application to review and rate 150+ IMDB movies using JavaScript and React.js
- Managed real-time user data with a MySQL database with REST APIs, Node.js, and Express, increasing 25% web speed
- Built a user authentication system with OAuth 2.0 and RESTful APIs using Express middleware for interactions

EDUCATION

University of Waterloo | BAsC in Management Engineering, Minor in Artificial Intelligence

Sep 2021 – Present

- **Cumulative GPA:** 4.0, Dean's Honor List
- **Relevant Courses:** Data Structures & Algorithms, Databases & Software Design, Statistics, Optimization
- **Certifications:** Udemy Machine Learning & Data Science, Google Data Analytics, Coursera Python Programming
- **Clubs:** Institute of Industrial & Systems Engineers, Engineers Without Borders, Industry 4.0