

MIKHAI WILSON

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EDUCATION

Carleton University

Bachelor's, Software Engineering

GPA: 3.87

PROFESSIONAL EXPERIENCE

Crossleaf Web Engineering

Software Developer Intern

Remote

June 2024 - August 2024

- Reduced deployment cycles to 15 minutes by establishing a CI/CD pipeline using GitHub Actions and AWS CodePipeline, enhancing agility and supporting a growth mindset.
- Achieved a 98/100 Lighthouse performance score by implementing server-side rendering with Next.js and React, applying critical thinking to enhance performance metrics.
- Improved query performance by 40% through optimizing PostgreSQL queries with database indexing and execution plans, facilitating data science applications.
- Handled 100K events/second by designing an asynchronous event processing pipeline using Apache Kafka, supporting product analytics and scalable data solutions.
- Improved resource utilization by 35% by containerizing microservices using Docker and Kubernetes, leveraging Python for integration.

Remax

Data Scientist

Remote

May 2021 - May 2023

- Architected and deployed an end-to-end machine learning pipeline for real estate property valuation and recommendation, leveraging Random Forest regression to achieve 92% prediction accuracy (R^2 score), enhancing data-driven decision-making.
- Developed an ETL pipeline using Python and SQL for real-time data ingestion, processing over 1K daily interactions, which facilitated efficient data science processes and product analytics.
- Implemented interactive Power BI dashboards with DAX calculations, achieving sub-second query response times, supporting critical thinking and data storytelling with actionable insights.
- Built an automated reporting system using ChatGPT, reducing manual analysis time by at least 70%, fostering a growth mindset towards innovative data solutions.
- Implemented a systematic split testing methodology using Meta Ads Manager, achieving a 35% engagement uplift through creative optimization, enhancing product analytics and campaign effectiveness.

Timberland

Associate

Halton, ON, Canada

September 2023 - June 2024

- Reduced operational downtime by 30% by collaborating with a team to design and implement an efficient back-room organization system, enhancing workflow and supporting product analytics.
- Improved IT system functionality and employee comprehension by contributing to the setup and configuration of back-end systems, leveraging critical thinking to solve technical challenges.
- Boosted sales to over \$100,000 in 3 days by leading team meetings to identify areas for improvement, applying a growth mindset to develop IT and behavioral solutions.
- Enhanced asset management efficiency by organizing and maintaining IT hardware inventory, ensuring assets were properly tracked and managed using data science principles.
- Strengthened team collaboration by leading initiatives to improve workflow and operational systems, fostering a growth mindset and applying product analytics.

PROJECTS & OUTSIDE EXPERIENCE

Dlicio

Founder

- Spearheading the architecture and development of the IOS and Android app using react native + node.js, designed to transform the way users discover and engage with restaurant experiences
- [Link to project](#)

Computers For Kids Halton

Co-founder

Halton, ON, Canada

August 2023 - July 2024