

MAKAATO SERUMAGA

MACHINE LEARNING ENGINEER

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CAREER OBJECTIVE

Driven computer science student specializing in Python, C, and machine learning frameworks, eager to launch a career as an entry-level machine learning engineer. I'm passionate about harnessing robust problem-solving abilities, deep learning expertise, and data visualization skills to deliver innovative, high-impact solutions.

EDUCATION

B.S.

- Computer Science
- University of Western Ontario
- April, 2026 (expected)
- London, Ontario

EXPERIENCE

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Machine Learning Intern

Re:Pair Genomics Inc.

March 2025 - May 2025

- Developed and optimized deep learning models (transformers, CNNs) for genomic sequence analysis.
- Designed gapped-kmer counting and kernel similarity algorithms, improving regulatory element modeling across species.
- Enhanced performance and memory efficiency in sequence processing pipelines using Python, NumPy, and Pandas.
- Built interpretable enhancer prediction models with TensorFlow and scikit-learn, aligning with biological insights.
- Collaborated with cross-functional teams to integrate computational and genomic objectives.

Kitchen Worker

Boston Pizza

January 2019 - January 2024

- Thrived in a fast-paced environment, honing multitasking and time management skills under pressure.

SKILLS

- Python ,C, Java, R
- SQL, Matplotlib
- TensorFlow, scikit-learn
- High-stress tolerant
- Exceptional communication
- Great team collaboration