

PENNY AHLSTROM

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Re: Application for Software Development / AI Opportunities

Dear Hiring Manager,

Please accept this letter and accompanying resume as my application for opportunities in software development, artificial intelligence, and machine learning. I am currently completing an Advanced Diploma in Computer Programming and Analysis at George Brown Polytechnic, where I have earned the academic distinction of making the Dean's Honour List for five consecutive terms. I am excited about the opportunity to contribute to a team while continuing to develop my skills in artificial intelligence, machine learning, and data-driven systems.

My academic experience has provided a strong technical foundation directly relevant to these areas. I have implemented and evaluated machine learning models in Python using scikit-learn for classification and regression tasks, applying preprocessing, feature engineering, and validation techniques. In addition, I have trained and experimented with neural networks using TensorFlow/Keras, and have worked with core data science libraries including NumPy, pandas, Matplotlib, and scikit-learn to prepare, analyze, and visualize datasets.

In addition, my graduate-level training in biostatistics at York University provided a solid grounding in statistical analysis, where I applied statistical methods and introductory R tools to analyze biological data and interpret research findings.

I am particularly interested in contributing to projects where data and machine learning can be applied to real-world problems. I enjoy breaking down complex challenges and translating needs into practical, well-structured solutions. My programming skills, analytical thinking, and research experience have equipped me to contribute effectively in a collaborative environment.

Thank you for your time and consideration. I would value the opportunity to discuss how my skills and background can support your team.

Sincerely,

Penny Ahlstrom

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