

Aaron J, Milligan

Machine Learning Engineer with a solid background in Python, data analysis, and model development, looking to apply my skills in the healthcare field. Experienced with deep learning, neural networks, and data visualization using tools like Jupyter Notebooks. Interested in contributing to data-driven healthcare solutions that support better patient outcomes and more efficient clinical processes.

Strong

communicator and problem solver, comfortable working across technical and non-technical teams.

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📍 Calgary, AB

🔗 <https://amilliganportfolio.netlify.app/>

PROJECTS

API, Reanalysis data Future Forecast Notifier

Current

- Developing a data-driven notification system that uses reanalysis datasets and forecasting models to provide automated future alerts for specific environmental or climate conditions, Integrated with APIs to fetch both historical and forecasted meteorological data.

Neural Network (Dog Breed Predictor)

Early 2025

- Developed a multi-class dog breed classifier using transfer learning on 10K+ images, preprocessed data into tensors and fine-tuned a TensorFlow model for high-accuracy predictions.

Skills and Languages

- Communication Written/Interpersonal
- Artificial Neural Networks
- Creative Problem Solving
- End-to-end Testing
- Pattern Recognition
- Languages: Python (NumPy, Pandas, Scikit-learn, Matplotlib), TensorFlow, ReactJS, JavaScript, Css, Html

EDUCATION

Zero to Mastery

Complete A.I. Machine Learning and Data Science

WORK EXPERIENCE

Self-Employed | Remote

Freelance Machine Learning Engineer

March 2025 - Present

- Developed, design and deployed custom machine learning models for clients.
- Work with tools and frameworks like Python, scikit-learn, TensorFlow, PyTorch, and pandas to implement data-driven solutions.
- Collaborate closely with clients and cross-functional teams to understand requirements, present findings, and provide solutions.

Pacific Stone Fabrication

Installer

August 2019 - Present

- Regularly solved logistical and on-site challenges through adaptive problem-solving – skills now applied to data analysis, model optimization, and real-world machine learning solutions.
- Collaborated daily with a partner and cross-functional crews, using clear communication and critical thinking to complete complex, detail-driven installations efficiently and safely.
- Developed a strong eye for precision, consistency, and client satisfaction in high-stakes environments.