

JESSE PASSMORE
MACHINE LEARNING ENGINEER

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🔗 rhapsodic-legacy

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EDUCATION

Lighthouse Labs Sept. 2020 to Dec. 2020

Diploma in Data Science

Carleton University Sept. 2002 to May 2006

B.A. Law 2006
Bachelor of Arts, Honours Law Program

SUMMARY

I am a quick and eager learner with a strong work ethic and relentless attention to detail. I have a passion for developing both deep learning and machine learning solutions across a diversity of fields, including natural language processing, reinforcement learning and auto encoders. One day it is my intention to be part of the bridging process between artificial intelligence, robotics and neuromorphic hardware to assist the human race with the most difficult and dangerous of challenges of tomorrow.

SKILLS

MACHINE LEARNING: Scikit Learn, Keras, Tensorflow, Pytorch, Numpy, Pandas, NLTK
BIG DATA: SQL, Apache Spark, Pyspark, Plot.ly, MongoDB, Azure
DEEP LEARNING: NLP, Reinforcement Learning, Convolutional Neural Networks, Multilayer Perceptrons
TOOLS AND PLATFORMS: Docker, AWS, Flask, Pickle, PII tools (Spacy, Presidio, etc.)

PROJECTS

BIG SCIENCE DATA GOVERNANCE Developing Post Model processes for modular data detection	Jan. 2022 to Current
BIG SCIENCE PII DETECTION Creating a modular Personal Identifiable Information detection pipeline	Oct. 2021 to Dec. 2021
CUSTOMIZABLE CONVERSATIONAL REALTOR CHATBOT Generative chatbot trained on a corpus of realty related info (legal, technical, useful facts), local data and a realtor's interactions (email, social media, etc.)	July 2021 to Oct. 2021
DATAJAM CANADA CRIMINAL BANK ACTIVITY DETECTION Expanding current criminal activity detection processes to create more pervasive predictions	May 2021 to May 2021
EXERCISE CORRECTION PERSONAL TRAINER Movement tracking, pose capturing, exercise and routine measurement	Jan. 2021 to May 2021
BIAS DETECTION IN HIRING ALGORITHMS Detecting bias related to sex, race, culture and name, in hiring algorithms in the STEM field	Mar. 2021 to Apr. 2021

EMPLOYMENT

PERSONAL TRAINER, FREELANCE Personal Trainer Recruitment and training of clients across diverse backgrounds, requirements and capabilities	Ontario, British Columbia: Canada Aug. 2006 to Feb. 2020
THE ACQUISITION GROUP Senior Sales Representative Weekly Sales Quotas in Door to Door environment, recruitment, training and leading of junior sales representatives.	Vancouver, British Columbia: Canada Jan. 2015 to Jan. 2016, Jan. 2015 to Aug. 2017

VOLUNTEERING

OVER 500 HOURS OF VOLUNTEER EXPERIENCE Ontario Charity Fundraising, Community Clean Up, Peer Counselling, Computer Programming Tutor	Jan. 1994 to Current
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