JESSE PASSMORE
MACHINE LEARNING ENGINEER

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○ rhapsodic-legacy

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   Jan. 2022 to Current
Developing Post Model processes for modular data detection

BIG SCIENCE PII DETECTION   Oct. 2021 to Dec. 2021
Creating a modular Personal Identifiable Information detection pipeline

CUSTOMIZABLE CONVERSATIONAL REALTOR CHATBOT   July 2021 to Oct. 2021
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.)

DATAJAM CANADA CRIMINAL BANK ACTIVITY DETECTION   May 2021 to May 2021
Expanding current criminal activity detection processes to create more pervasive predictions

EXERCISE CORRECTION PERSONAL TRAINER   Jan. 2021 to May 2021
Movement tracking, pose capturing, exercise and routine measurement

BIAS DETECTION IN HIRING ALGORITHMS   Mar. 2021 to Apr. 2021
Detecting bias related to sex, race, culture and name, in hiring algorithms in the STEM field

EMPLOYMENT

PERSONAL TRAINER, FREELANCE   Ontario, British Columbia: Canada
Personal Trainer   Aug. 2006 to Feb. 2020
Recruitment and training of clients across diverse backgrounds, requirements and capabilities

THE ACQUISITION GROUP   Vancouver, British Columbia: Canada
Senior Sales Representative   Jan. 2015 to Aug. 2017
Weekly Sales Quotas in Door to Door environment, recruitment, training and leading of junior sales representatives.

VOLUNTEERING

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