

DAVID FEINGOLD

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PROFILE

Seeking a Machine Learning Engineer position where I can leverage my elite competitive experience and expertise in high-intensity environments. I am committed to utilizing advanced resilience and leadership practices to drive innovation, challenge conventional boundaries, and contribute significantly to a team's culture of excellence.

PROJECT/WORK/LEADERSHIP EXPERIENCE

Project Partner, Tech4Animals Lab; Newcastle, UK — 2023

- Implemented novel data processing and augmentation, model training, testing, and evaluation pipelines.
- Trained and tested 4 stages of iterations of a categorical classifier using PyTorch, TorchVision, and confusion matrices
- Compared models using implemented cleaning methods with generic data extraction procedures leading to an increase of up to 28% in classification effectiveness.

Project: Multi-Layer Perceptron Critical Review — 2023

- Broke down and evaluated architecture of model using changes in training parameters to determine optimal architecture. 18 different versions were repeatedly tested to understand preservation of changes

Project: WALK (Wellbeing Assessment Logic Kit) — 2022

- Designed software architecture of smart autonomous employee health application using UML practices.
- Developed Use Cases, identified system requirements, and completed a feasibility analysis.

Head Coach, Durham University; Durham, UK — 2022-2023

- Led the team to victory in the BUCKS National Championship in 2023 by cultivating a self-empowering team culture and fostering strong teammate relationships. My approach integrated leveraging personal technical, tactical, and interpersonal expertise to achieve this pinnacle of success.

Independent Contractor, DGHandyServices; Los Angeles, CA — 2022

- Collaborated with customers to understand requirements, design tailored solutions and negotiate timelines and pricing.
- Managed work to meet cost and schedule, consistently earning top customer satisfaction and referrals to both family and friends.

SKILLS & HOBBIES

Language	SQL	Tools	Anaconda	PyTorch	Hobbies	Reading
Python	HTML	Git	MS Office	Flask	Athletics	Design
Java		Jupyter	TensorFlow	RestAPIs	Carpentry	

EDUCATION

University of Northumbria at Newcastle, UK — MS Artificial Intelligence, 2023

AI/ML models studied:

Logistic Regression	Multi-Layer Perceptron	RNN
Decision Tree	Deep NN	GANs
Clustering Analysis	Convolutional NN	NLP

Coursework:

Practical:

Systems Analysis & Design
Intelligent User Interfaces
Research Methods & Project Management
AI & Digital Technologies

Technical:

Object Oriented Programming
ML Model Development and Evaluation
Dissertation Research

University of California Berkeley, CA — Cognitive Science, 2021

Subjects of Focus: Biology/Neuroscience/Cognition, Computer Science, Philosophy, Linguistics, Sociology, Classical Thought, Mathematics, Psychology

Coursework:

Computer Science: Structural Interpretations of Computer Programs, Computational Models of Cognition

Math: Analytical Geometry and Calculus, Discrete mathematics

Neuroscience/Biology/Cognition: Intro to Human Physiology, Brain Mind & Behavior, Mind Brain & Identity, Cognitive Unconscious, Cognitive Neuroscience, Circuits Systems & Behavioral Neuroscience

Perception/Ethics: Individual Morality & Social Justice, Physics and Music, Modern Philosophy, Philosophy of Mind, Sociolinguistics, Phenomenology, Perceptual Cognition