Diverse and multidisciplinary with specialist skills, knowledge, qualifications, education, experience and ability in machine learning (artificial intelligence), electronics, computing (hardware & software) and physics gained in scientific and technical, research and development environments. Interested in an occupation in a similar environment.

Skills

Machine Learning	Neural networks, evolutionary algorithms, deep learning, pattern recognition, scikit-learn.
Mathematics & Statistics	Good basic knowledge of mathematics and statistics gained from my scientific and technical interests and studies. | Basic data science & data analysis.
Computing	Octave / Matlab, R, Julia, Python, C / C++, SQL, Pandas, +others.
Communication	Technical writing, reports, documentation, illustration and diagrams, presentations, repair and test procedures. | Tutoring.
Electronics	Design, development, construction & calibration of electronic equipment and circuits. Proficient with oscilloscopes, signal generators, amp/volt/ohm meters.
Engineering	PLC & HMI development & programming. Hearth work, turning, milling, grinding, welding, soldering, etc.
Scientific	Knowledgeable on fundamental physics.
General	Analytical, critical, logical, creative, research, technological, problem solving, adaptable, practical, mechanical.

Career Summary

Aerospace	Research assistance in Aerodynamics Department and Space Department. Assisted with experiments and data acquisition, wind tunnel operation. Performed satellite image processing.
Academia	Researched machine learning systems for a pipeline defect detection system, control of simulated bipedal legs. | Researched an energy use prediction system. Peer reviewed machine learning application scientific papers. *Tutored:* automation systems, electronics laboratory classes, web development.
Electronics	Researched, designed, developed, constructed and tested basic electronic circuits, test equipment and specialist cables. Fault diagnosed and repaired electronic equipment to component level.
Computing	Developed FORTRAN, C, Matlab/Octave, SQL programs & web sites.
Computer Service	Assisted management of computing facilities. Performed field maintenance, fault diagnosis and repair of computer systems.
Freelance	Technical writing. | Electronics assembly & test. | Website development.
International	*Travel & living abroad:* Japan, USA, Malaysia, Australia, New Zealand, UK.

Education

MSc: Neural Computation	**City & Guilds**: Digital Logic Techniques
HNC: Applied Physics	**City & Guilds**: Industrial Control & Servo Mechanisms
ONC: Sciences (Physics)	**CDI certificate**: Computer Technology

Additional Studies

Machine Learning	Big Data & Human Behaviour	Psychology
Neural Networks & Deep Learning	Data Analysis	Journalistic Writing
Evolutionary Computation	Statistics	Git & GitHub
Robotics	Quantum Computers	