

Diverse and multidisciplinary and seeking to put to beneficial use my adaptable 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.

This CV is deliberately anonymous, you should have received my contact details separately

## Skills

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

## Career Summary

<b>Aerospace</b>	Research assistance in Aerodynamics Department and Space Department. Assisted with experiments and data acquisition, wind tunnel operation. Performed satellite image processing.
<b>Academia</b>	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. <i>Tutored:</i> automation systems, electronics laboratory classes, web development.
<b>Electronics</b>	Researched, designed, developed, constructed and tested basic electronic circuits, test equipment and specialist cables. Fault diagnosed and repaired electronic equipment to component level.
<b>Computing</b>	Developed FORTRAN, C, Matlab/Octave, SQL programs & web sites.
<b>Computer Service</b>	Assisted management of computing facilities. Performed field maintenance, fault diagnosis and repair of computer systems.
<b>Freelance</b>	Technical writing.   Electronics assembly & test.   Website development.
<b>International</b>	<i>Travel &amp; living abroad:</i> Japan, USA, Malaysia, Australia, New Zealand, UK.

## Education

**MSc:** Neural Computation  
**HNC:** Applied Physics  
**ONC:** Sciences (Physics)

**City & Guilds:** Digital Logic Techniques  
**City & Guilds:** Industrial Control & Servo Mechanisms  
**CDI certificate:** Computer Technology

## Additional Studies

Machine Learning  
Neural Networks & Deep Learning  
Evolutionary Computation  
Robotics

Big Data & Human Behaviour  
Data Analysis  
Statistics  
Quantum Computers

Psychology  
Journalistic Writing  
Git & GitHub