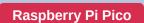
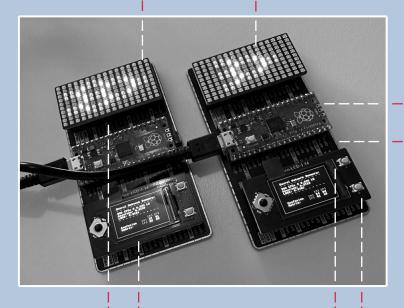
8 Neurons @ 4 Layer

6 Neurons @ 3 Layer

**ARTIFICIAL NEURAL NETS** 



**Dual GPIO Expander** 



**LED Matrix** 

**LCD Display** 

## Raspberry Pi Pico plus Hardware:

Dual GPIO Expander (SKU 19343) 1.14 Pico LCD Display (SKU 19340) 16 x 10 LED Matrix (SKU 20170)

EFFICIENT & EXPLAINABLE

Basic Mode of Operation:

Flexible **Pre-Training** with TensorFlow & Keras Simply create Neural Nets in MicroPython Transfer the Parameters to a Microcontroller Selection of suitable Activation Functions: Softmax, ReLU, Leaky ReLU, Tanh, Sigmoid

Insights into the functioning of Neural Nets Efficient Algorithms & energy-saving Hardware Transparency and Control: Realtime Processing & Protection of Sensitive Data Manual Fine Tuning directly on the Microcontroller Simple Hardware and Software Setup with Thonny

FROM AGE 16+





