



**DHT11 PIO Driver**    <https://github.com/computemachines/dht11-pico-pio>  
Temperature/humidity sensor protocol implemented entirely in RP2040 PIO state machine assembly.

**Neural Networks from Scratch (Rust)**    <https://github.com/computemachines/nns-rust>  
ML framework built in Rust following the NNFS book (originally Python). Includes training visualizations.

**Discrete Differential Geometry Lab**  
Interactive sandbox for geodesic ray tracing, curvature computation, and mesh immersion optimization in Rust/Bevy.