

Edge Machine Learning

Put the smarts *inside your system*

ResCon Technologies provides real-time machine learning-based analysis of sensor signals, enabling on-device Digital Twin creation and predictive health analysis using the embedded microcontrollers already present in your systems.

➤ **FAST**

Learns and predicts future system states using *one million times less data* compared to Deep Learning

➤ **LOW POWER**

Minimum data requirements equal min compute cycles and a fraction of the power to train your model

➤ **INEXPENSIVE**

Use ubiquitous microcontroller hardware—no need for expensive and power-hungry GPUs or specialized chips

Key Use-Cases:

- Baseline performance monitoring
- Anomaly prediction
- Fault detection

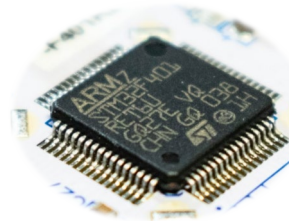
Contact

Brian Gyovai, Founder & CEO
brian.gyovai@flyrescon.com

ResCon Technologies, LLC
1275 Kinnear Rd, Ste 239
Columbus, OH 43212

www.flyrescon.com

Perform ML here



NOT here

- Cloud
- GPU
- Neuromorphic Chip

ResCon uses its patent-pending Next-Generation Reservoir Computing (NG-RC) algorithm to take Machine Learning out of the cloud and bring it to the edge. NG-RC will:

- Minimize latency by computing directly on device; no need to wait for upload to the cloud or a post-mission data dump
- Make predictions sooner by creating a valid model using shockingly small datasets
- Bring ML insights to the smallest of subsystems—if there's a microcontroller, there's room for NG-RC!

Next-Generation Reservoir Computing

Edge-compatible ML for the next generation of smart vehicles