Big Insights, Small Devices

Put the smarts *inside* your smart device

ResCon provides ultra-efficient Machine Learning solutions for local, low-latency data processing, making devices smarter, faster, and more power-efficient. No cloud, no massive data centers, no expensive specialized chips required.

Perform ML here

NOT here

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

➤ LOW POWER
Minimum data requirements mean 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

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:

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

Key Use-Cases:
- Data Fusion and State Estimation
- Signal Processing
- Adaptive Control
- Anomaly Prediction

Next-Generation Reservoir Computing
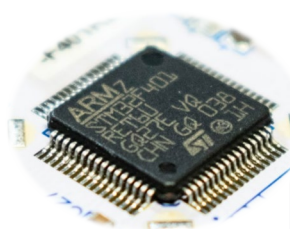*Edge-compatible ML for IoT, smart wearables, and next-gen autonomy*

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

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

www.flyrescon.com

CAGE: 8KZT4
NAICS: 541715
SAM UEI: UBL8MJTJL3Z8

RESCON
TECHNOLOGIES

Move your insights to the edge.