

## Evolving Finance

with Groq and Real-time AI

## Introducing Groq

The fastest path to compute

Headquarters Mountain View, CA

**Applications** AI, Machine Learning, and converged HPC/AI

Employees 250



#### **Flagship Products and Partners**

#### THE COMPONENTS OF GroqWare<sup>TM</sup> Suite

#### A Diverse Suite of Development Tools



## Benchmarking Models

# STAC ₌

STAC provides comparative benchmarking for hardware to the finance industry STAC

Newest benchmark is Al based, STAC-ML.

Results available in STAC report

Uses historical training data to make real-time trade decisions

Why<br/>LSTM?Real-time, risk, automatic trading and stock advisers<br/>Used by hedge fund managers, portfolio managers, tradersAdditional<br/>UsagesLSTM has a wider, universal appeal for any time-based analysis<br/>Fraud, Cybersecurity, Fault detection and simpler NLP models<br/>They are used in many verticals beyond just finance<br/>Other non-LSTM areas to explore:

Anomaly detection (CC Fraud, Insurance, Cyber Security, etc.)
Realtime preventive maintenance i.e. Industrial

#### Not STAC Benchmarks

## Supporting the Financial Services Market

A growing list of applications requiring the very lowest latency and highest throughput

Fraud	Trading	Application	Performance Over GPU
Fraud Detection & Anti-	Real-time Trading	Value At Risk (VaR)	10x
<b>money Laundering</b> Fewer false positives	Exceptionally low latency	LSTM Real-time Trading / Advisor	20x
Improved accuracy without performance compromise	Time-based predictions from tick and news feeds	Options Calculation	20x
Analysis	Automation	Fraud and Anomaly Detection	<b>7</b> 0x
Quant Analysis	Customer Support	Quantitative Analysis Backtesting	10x
<b>Backtesting</b> High throughput and performance at scale	Recommendation engines with low latency language processing	Topic Modeling of SEC K-10 Filings	8x

#### 



Simple development environment powered by GroqWare<sup>™</sup> Suite Detailed tuning with our low level APIs gives **total control** 

We work closely together to **tackle the hardest problems** 

#### DEPLOY GROQ PRODUCTS TO





# **Groq**<sup>m</sup>

## Thank You.

MORE INFORMATION

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## Come say Hi.





