

Hi,  
I hope you are doing well.  
Do we do a Machine Learning  
project together?



some of our projects

# Healthcare: *butterfly iQ*

- State of the **art medical image analysis**
- Implementation of a number of deep learning-based medical image analysis applications for **ultrasound** and **MRI**.
- Ultrasound intelligence deployment was so far only available on high-end devices, to consumer smartphones, while achieving greater accuracy and real-time interaction.



## Ultrasound to Go

Butterfly iQ



Medical imaging is cumbersome and expensive. But **Butterfly iQ** has shrunk ultrasound technology to the size of a chip, letting medical professionals simply plug the portable probe into their phone; peer at a patient's heart, lung or growing fetus; and even diagnose diseases. At \$1,999, plus a \$35 monthly software subscription, the FDA-approved device is now used in more than 20 countries—many where imaging is lacking. —*Mandy Oaklander*

**Buy now:** [Butterfly iQ](#)



# AI for low-power IoT devices

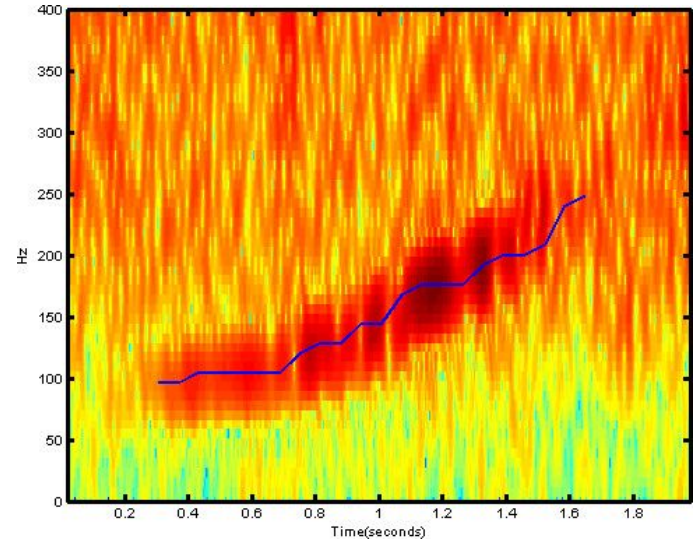
Together with Lōtik, we created an intelligent low-power wireless sensor that clamps onto pipes and uses on-device signal processing and neural networks to detect water flow and leaks.



# Using deep learning to listen for whales

We worked with researchers from *Oregon State University* on improving software algorithms for detection and classification of marine mammals in underwater recordings. Our solution is not only more accurate than conventional methods used, it's also much faster, processing years of audio recordings in a matter of hours.

→ read more [here](#) and [here](#)





\$10,000 • 245 teams

## The Marinexplore and Cornell University Whale Detection Challenge

Fri 8 Feb 2013 - Mon 8 Apr 2013

1

Dashboard

### Public Leaderboard - The Marinexplore and Cornell University Whale Detection Challenge

This leaderboard is calculated on approximately 30% of the test data.  
The final results will be based on the other 70%, so the final standings may be different.

See someone using multiple accounts?  
[Let us know.](#)

#	Δ1W	Team Name	<small>* In the money</small>	Score	Entries	Last Submission UTC (Best - Last Submission)
1	-	<b>Daniel Nouri *</b>		<b>0.96860</b>	<b>1</b>	<b>Sun, 10 Feb 2013 14:14:14</b>
2	-	Tree growers		0.86111	6	Mon, 11 Feb 2013 14:02:00
3	-	TeamSMRT		0.82279	5	Mon, 11 Feb 2013 00:30:55 (-16.7h)
4	↑13	Corey Chivers		0.82159	2	Sun, 10 Feb 2013 21:17:18
5	-	isbukun		0.82086	4	Sun, 10 Feb 2013 23:56:40
6	↓1	Sajo Rainbow Warriors		0.80092	2	Sun, 10 Feb 2013 17:14:08 (-3.6h)
7	-	Were is Roy?		0.73808	5	Mon, 11 Feb 2013 00:23:27
		<b>Cornell University Benchmark</b>		0.72141		

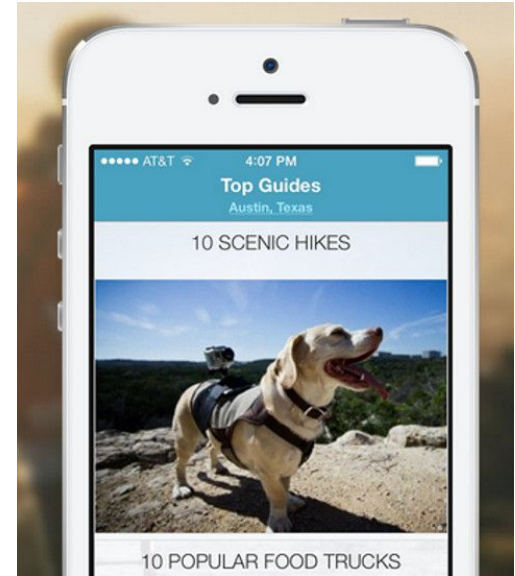
<sup>1</sup>As we said, we deal with Machine Learning for a long time!



# Image recognition in millions of photos

We helped Jetpac, a company that used artificial intelligence to build city guides, implement a deep learning-based computer vision system that finds dogs among other curious things inside millions of Instagram photos. Jetpac used information extracted from images to automatically categorize locations.

Jetpac has since been [acquired by Google](#).





We help our partners find and implement critical **ML applications** to drive **digital transformation** and business results.



krystal·ball

Machine learning-powered visions turned  
into applications

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