

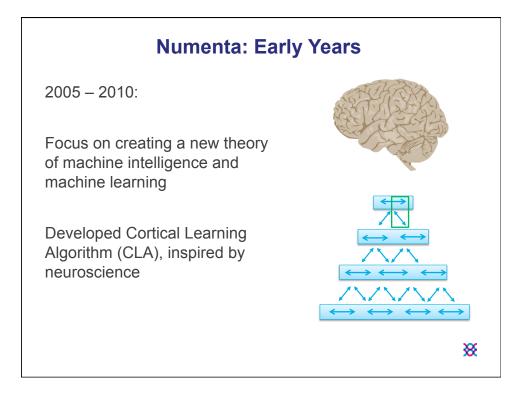
## Numenta

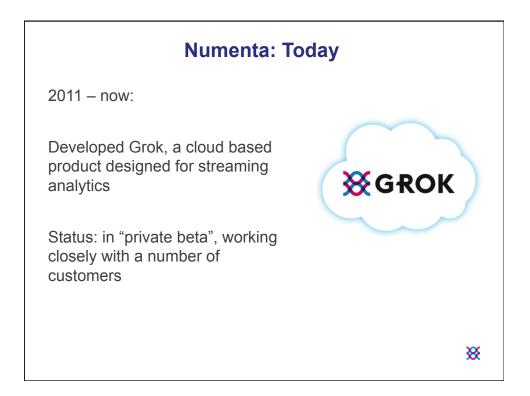
Small startup located in Redwood City

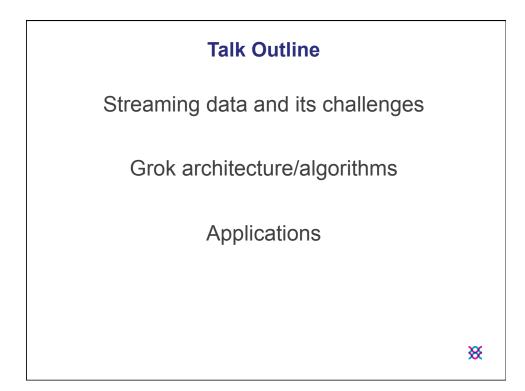
Approximately 24 employees

Founded in 2005 by Jeff Hawkins (Palm, *On Intelligence*)









## What Is Streaming Data?

A continuous source of data, that is sequentially generated, with no logical beginning or end.

Streaming data <u>applications</u> often involve dynamically changing temporal patterns, a very large number of sources, and often require continuous decisions.

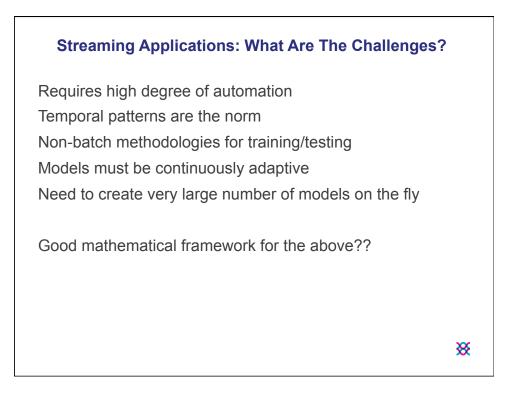
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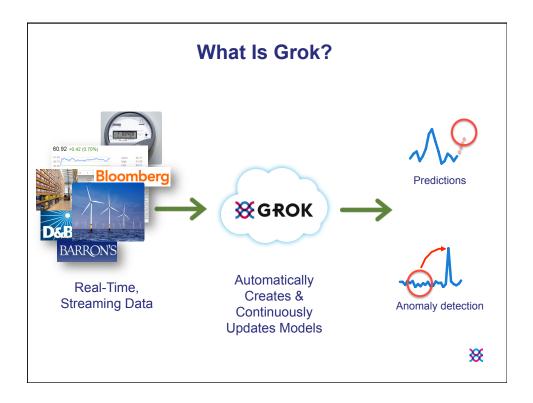


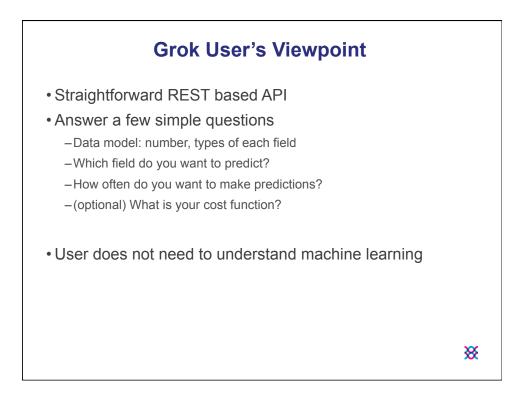


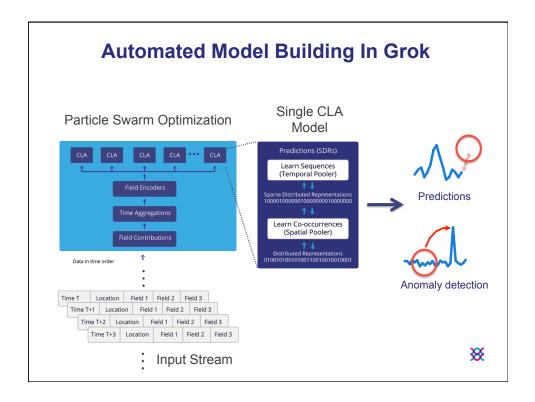


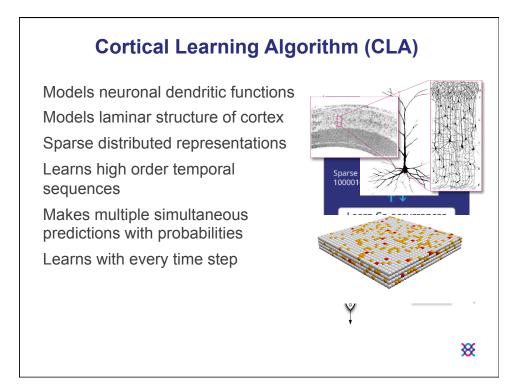
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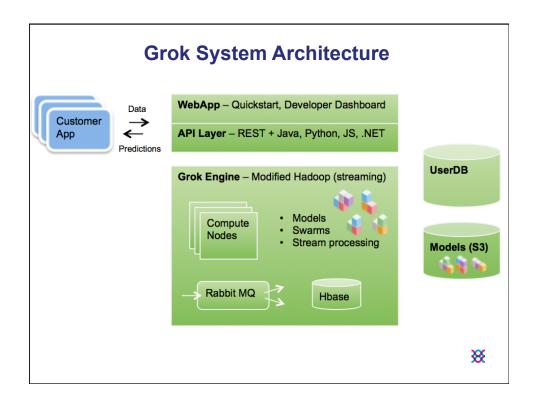


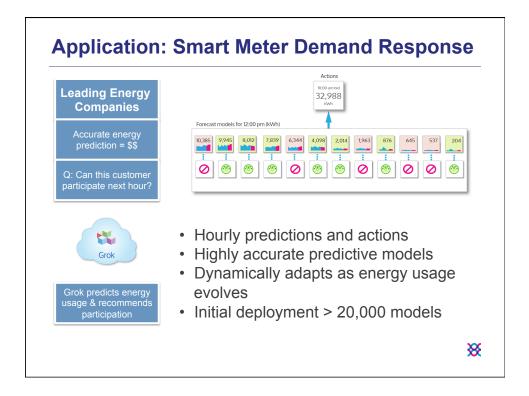


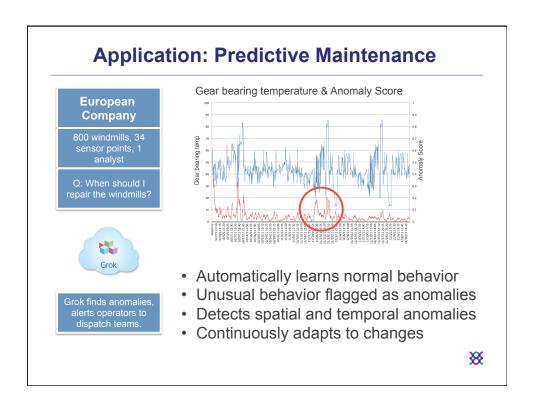














Summary	
<ul> <li><u>Streaming analytics</u></li> <li>Streaming data poses interesting challenges for machine learning applications</li> </ul>	)
<u>Grok</u> • Automated, continuously learning system designed for streaming applications	
<u>The future</u> • Streaming analytics will be the dominant model for ML • Potentially fruitful arena for research	**

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