



We have developed an AI platform called **NeoPulse** that uses AI to build Deep Learning models that improve a wide range of business KPIs.

Rajeev Dutt  
CEO and Founder

**NeoPulse is a platform that has developed insights in many industries.**



Predict stock market volatility.



Allow a satellite to maintain itself without an internet connection.



Evaluate heartbeats for abnormality on an iPhone.



Predict what shade of lipstick a consumer might buy.



Identify tumors from PET scans.



Predict future CPU usage.



Rank resumes for quality.

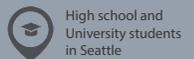


Invent new materials for NASA.

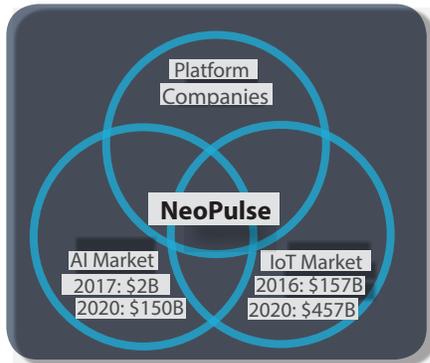
Our current clients



Startup company founders for their new product PoC's



High school and University students in Seattle



## Where AI meets IoT

### Platform Companies

NeoPulse can provide benefits to any company growing their AI capabilities.

### AI Market IoT Market

NeoPulse has specialized in the fastest growing segment of the AI market: Deep Neural Network Models.

NeoPulse models are stored in a portable inference model (PIM) that can run without modification on any IoT processor with a NeoPulse Runtime Query container.

## Business Model

	Target	Model	Pricing
Established companies	Reduce cost and time for new AI projects.	Cloud, on-premise, or IoT Applications.	Pay per instance, server, or IoT device.
Start-ups using AI	Adding AI capabilities to new products as a competitive advantage.	Cloud	\$1.50 to \$24/hour.
Universities	Students, academics, hobbyists.	Cloud	Free access to encourage ecosystem growth.

## We can work with

### Input Data including

- Image Classification
- Image analysis
- Audio analysis
- Text analysis
- Video analysis
- Raw data regression

### Environments including



## Industry recognition



## Testimonials

AI Dynamics has created a platform called NeoPulse that makes it possible for companies like Amore Pacific to do machine learning at scale. We also found the training useful and comprehensive. By using the NeoPulse, I am confident that it will be a great help in achieving our #1 beauty AI company vision.

AI Dynamics' NeoPulse made building custom machine learning models much easier. If the data is curated, it can build neural networks quickly and without much coding - in some cases with less than 20 lines of code.

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Changyoon Choi  
Database Architect

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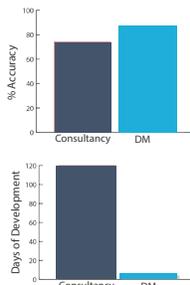
## Case Studies

### Stanford

Two medical researchers with no prior experience in Cloud services, Machine Learning, or Programming went through a 2-day course in the use of NeoPulse. They provided the model with 285 PET scans with and without tumors for model training. The resulting model was **76% accurate**.

### Steth IO

Steth IO, an iPhone stethoscope device, initially hired a consultancy to approach building their Machine Learning their Machine Learning Model. After providing the same heartbeat audio data gathered from their device to DimensionalMechanics, the results were as follows:



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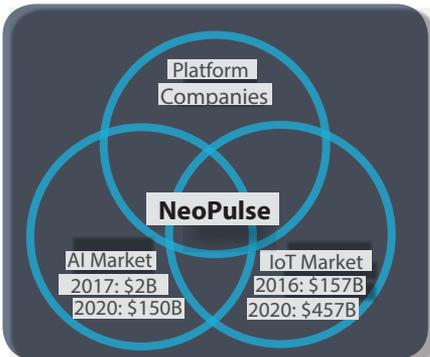
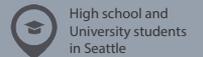


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- Environments including**
- Cloud (Azure, AWS)
  - On-Premise
  - IoT (ARM)

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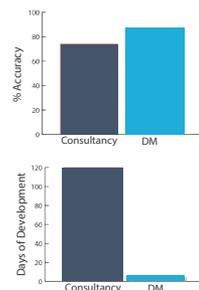
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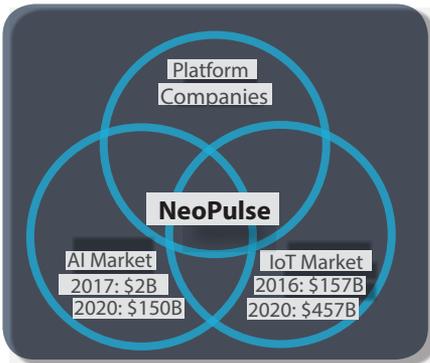
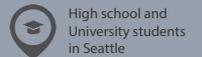


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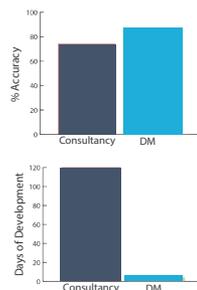
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