

# Product Vision

## Neronet

### Project 2

Toolbox for managing the training  
neural networks (Pyy Takala)

CSE-C2610 Software Project  
Aalto University

November 2, 2015

Outline

Why

What

For whom

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# Why – business view

Currently available state-of-the-art tools for research involving heavy computation aren't satisfactory.  
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Poor tools lead to ineffective use of man and machine hours.

# What – product goals

The product's goal is to enable easy

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6. configurable criteria for experiment autotermination

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7. logging of experiment history
8. preferences configuration

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The goals should be achieved in a generic way suitable for many different computational problem areas and experiment types.

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1. visualisations from experiment data
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Nonfunctional requirements:

1. low computational and memory overhead
2. good usability
3. easily maintainable and extensible
4. open source

# For whom – users

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The potential user segments include for instance:

- ▶ Deep learning researchers
- ▶ Machine learning researchers
- ▶ Computational physics researchers
- ▶ Data science practitioners
- ▶ Enthusiasts & hobbyists