

# Fixing Tools Not Problems

How AI Can Be Different  
From the Treadmill

Part 4 of 7: The Intelligent Helper  
Emerges

# AI Feels Different

## Not Just Another Library or Framework

⚙️ This AI stuff especially GenAI feels **different.**

⚙️ Not just another tool adding complexity.

# Why Different Factor 1 Pre trained

## Lowering the Data Barrier

- ⚙ Many early powerful models came **'pre-trained'**.
- ⚙ Like super-smart students who read most of the internet.
- ⚙ Didn't always need our own massive **'big data'** pile to start.
- ⚙ Shifted challenge from gathering data to **using model effectively**.

# Why Different Factor 2 Evolution Cost

## From Gas Guzzlers to Efficiency

- ⚙️ Early models (ChatGPT) powerful but **very expensive** to build/run (gas guzzlers).

- ⚙️ Initial cost was a barrier.

- ⚙️ That's **changing too incredibly fast.**

# AI Evolution Efficiency Focus

Better Cheaper Smarter All  
The Time

⚙️ Seeing newer models research aiming  
for **efficiency** (e.g.

DeepSeek AI efforts).

⚙️ Focusing on making powerful AI  
**less costly more accessible.**

⚙️ Whole area evolving getting better  
cheaper smarter **all the time.**

# The Excitement Factor

## Ongoing Improvement Makes It Practical

⚙️ It's this **ongoing improvement** that makes it so exciting.

⚙️ AI isn't just smart it's rapidly becoming more **practical**.

# Why Different Factor 3 Understanding Intent

## Beyond Just Following Commands

- ⚙️ AI can understand **what we mean**  
not just what we type.
- ⚙️ Can handle complicated boring  
messy stuff that drains time energy.

# The Intelligent Helper Concept

## Focusing on the Important Parts

- ⚙ This allows **us** to focus on the important parts.
- ⚙ Understanding the **real problem**.
- ⚙ Thinking **creatively** making **smart decisions**.



# AI vs The Treadmill

## Absorbing vs Adding Complexity

- ⚙️ AI has potential to **absorb existing complexity**.

- ⚙️ Unlike previous tools that primarily added new layers.

# Potential Impact

## Freeing Human Cognition

- ⚙️ Can free human cognition for higher-value tasks.
- ⚙️ Shift focus from tool wrestling to problem solving.

# Food For Thought

## Moving Beyond Theory

- ⚙ This potential isn't just theoretical.
- ⚙ AI is already showing results in the real world.

# Next

## AI Helping Us NOW

- ⚙️ Next up concrete examples of AI tools helping across the SDLC today.
- ⚙️ Starting with Requirements Design and Coding.

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All resources mentioned are available at **<https://agilp.org/pdf/>**

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