

# Intelligent Software Engineering

## Introduction to Artificial Intelligence

Zhilei Ren



Dalian University of Technology

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# bug or feature?



# Vibe Coding

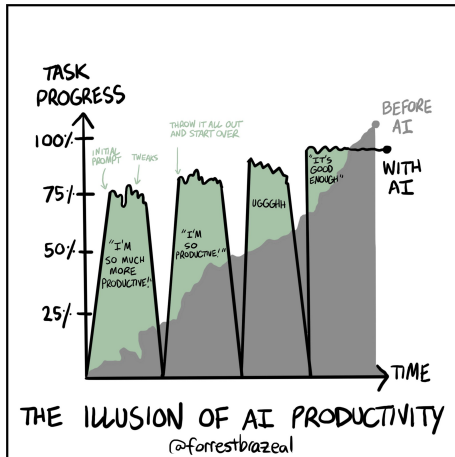
Vibe coding is an artificial intelligence-assisted software development style popularized by Andrej Karpathy in February 2025. The term was listed in the Merriam-Webster Dictionary the following month as a “slang & trending” term. It describes a chatbot-based approach to creating software where the developer describes a project or task to a large language model (LLM), which generates code based on the prompt. The developer evaluates the result and asks the LLM for improvements. Unlike traditional AI-assisted coding or pair programming, the human developer avoids micromanaging the code, accepts AI-suggested completions liberally, and focuses more on iterative experimentation than code correctness or structure<sup>1</sup>.

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<sup>1</sup>[https://en.wikipedia.org/wiki/Vibe\\_coding](https://en.wikipedia.org/wiki/Vibe_coding)



# The Illusion of AI Productivity



# The Mythical Man-Month

There is no single development, in either technology or management technique, which by itself promises even one order of magnitude [ten-fold] improvement within a decade in productivity, in reliability, in simplicity.

– Fred Brooks

