What We Know We Don't Know Empirical Software Engineering

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www.hillelwayne.com/talks/what-we-know-we-dont-know

"Effects of Clean Code on Understandability"

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Types of Research

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"Fixing Faults in C and Java Source Code: Abbreviated vs. Full-Word Identifier Names"

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Quantitative

Hard numbers and comparisons

Qualitative

Experiences, thoughts, actions

"On the diffuseness and the impact on maintainability of code smells: a large scale empirical investigation"

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"A Large Scale Study of Programming Languages and Code Quality in Github"

Add new infix operator

Add new infix operator

What Works

Finding Defects

Metrics?"

"Beyond Lines of Code: Do We Need More Complexity

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"The Influence of Organizational Structure On Software

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Quality"

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"Simple Testing Can Prevent Most Critical Failures"

Preventing Defects

development"

"Realizing quality improvement through test driven

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"Impact of a Night of Sleep Deprivation on Novice Developers

Performance"

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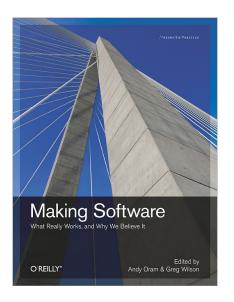
"Sleep deprivation: Impact on cognitive performance"

"Crunch Makes Games Worse"

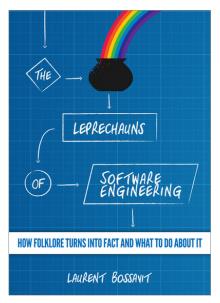
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Learning More

Making Software



Leprechauns of Software Engineering



Arxiv





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Conclusion

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