TAILORED INTERFACES

CONTEXT-AWARE HELP

COMMAND RECOMMENDING
TAILORED INTERFACES
Tailored Interfaces

Reduced

Full

Images: [4] Leung et al., Transactions on Accessible Computing 2010
TAILORED INTERFACES

Reduced

Full

Images: [4] Leung et al., Transactions on Accessible Computing 2010
TAILORED INTERFACES

Major Results

Improved initial learnability

Positive transfer effects

Major Issue

Reduced Awareness
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Future Work

Longitudinal study

Alternate learnability metrics

Types of tasks
CONTEXT-AWARE HELP
CONTEXT-AWARE HELP

**IP-QAT**: In-Product Questions, Answers & Tips


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Context Augmented Web Search

[7] Ekstrand et al., UIST 2011
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Major Results
Initial steps
Context taxonomy

Major Issues
Confusion
Privacy & Confidentiality
Content
Future Work

Different contextual information
Machine-readable information
Collaborative filtering
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Did You Know...

Don't close the window if you are in the middle of typing a very long message.
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OWL: Organization-wide Learning

[8] Linton et al., Educational Technology & Society 2000

Coach by comparison to experts

Not very personalized

Intelligent Tips and Skill-O-Meter
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**CommunityCommands**


Ambient interface

Implicit rating

Personalized

Collaborative filtering

Software IDE-based

Models command discovery

Eight algorithms tested

Hybrid approach

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Major Results
Strong support for collaborative filtering

Major Issues
User’s tool inertia
One-and-done recommendations
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Future Work
Temporality
Sequences
Inefficiency-based recommendations
Adoption Rate
Metadata
CONCLUSION

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Relatively fresh field

Collaborative filtering and context

Longitudinal studies
DISCUSSION
REFERENCES


