Generative AI Prompting for Software Development Survey

Start of Block: Consent

CF1 Building a Prompt Engineering Taxonomy for Generative Al Models Informed Consent Form

RESEARCH PROCEDURES

The purpose of this study is to investigate issues, needs, and opportunities related to improving software development with generative AI tools. In particular, the study aims to build a comprehensive taxonomy of the many possible interactions between users and AI by investigating past research and gathering developer experiences with AI tools.

If you decide to participate, you will take a brief survey via the Qualtrics platform. The study will last about 15 minutes during which time you will be asked questions regarding your familiarity and experience with several topics related to AI tool use. There will also be a brief section which asks about your experience and background with software development.

You will be asked to identify and discuss tasks you or your organization engage with, the difficulty and challenges of such tasks, and the tools used in performing such tasks.

With your permission, we may contact you by email to invite you to participate in a follow-up interview. We will not share this email with anyone. The provided address will be linked with your responses so that we can ask follow-up questions regarding your answers in the survey.

RISKS

While unlikely, it is possible that survey responses could be accessed by an unauthorized user (e.g. a computer is lost, system compromised, etc.). We mitigate this risk by only storing non-anonymized data on machines necessary for initial data processing and by using best security practices (e.g. two-factor authentication) to protect data stored remotely.

BENEFITS

There are no benefits to you as a participant other than to further research in generative Al prompting and interaction.

PARTICIPATION

You must be at least 18 years old to participate. Your participation is voluntary, and you may withdraw from the study at any time and for any reason. If you decide not to participate or if you withdraw from the study, there is no penalty or loss of benefits to which you are otherwise entitled. There are no costs to you or any other party. Your decision whether or not to participate will not prejudice your future relations with [NAME OF INSTITUTION].

USE OF YOUR INFORMATION

Identifiers about you will be removed from the identifiable private information and that, after such removal, the information could be used for future research studies or distributed to another investigator for future research studies without additional informed consent from you or your legally authorized representative.

COMPENSATION AND COST TO PARTICIPATE

There will be no compensation or costs to you for participating in this study.

RIGHT TO DECLINE OR WITHDRAW Your participation in this study is voluntary. You are free to participate in the study or withdraw your consent at any time during the study. You will not lose any benefits otherwise entitled if you decide not to participate or if you guit the study early.

CONFIDENTIALITY

The data collected by this study will be confidential, including your responses. Any information obtained in connection with this study that can be identified with you will remain confidential and disclosed only with your permission. You will be assigned a code number to protect your identity and all data will be kept secured. If you give us your permission by signing this document, we plan to disclose the results of the questionnaire in any publication resulting from this study. The disclosed results will not be personally identifiable (if needed, they will be anonymized). The deidentified data could be used for future research without additional consent from participants. The Institutional Review Board (IRB) that monitors research on human subjects may inspect study records during internal auditing procedures and are required to keep all information confidential.

CONTACT

This research is being conducted by [RESEARCHERS' NAMES AND CONTACT INFORMATION]. Questions regarding the rights of research subjects may be directed to [COMPLIANCE PERSONNEL]. The Institutional Review Board (IRB) at [NAME OF INSTITUTION] has reviewed and approved the present research (ProtocollD: [ID]).

CONSENT

You are welcome to print this page to keep a copy of this form.



THE SURVEY.
O I agree to participate in the described study. (4)
O I do not agree to participate in the described study. (5)
Skip To: End of Survey If YOU ARE MAKING A DECISION WHETHER OR NOT TO PARTICIPATE. IF YOU WANT TO PARTICIPATE, PLEASE SELEC = I do not agree to participate in the described study.
End of Block: Consent
Start of Block: Demographics
country In which country do you currently reside?
▼ Afghanistan (1) Zimbabwe (1357)
*
D1 How many years of experience in software development do you have?
D2 Please indicate which domains you have developed software for (e.g., banking or healthcare).

CF2 YOU ARE MAKING A DECISION WHETHER OR NOT TO PARTICIPATE. IF YOU WANT TO PARTICIPATE, PLEASE SELECT THE "AGREE" OPTION BELOW, AND START

D3 How would you describe your software engineering role(s)? (Select all that apply)		
	Programmer (1)	
	Tester (2)	
	Software Architect (12)	
	Project Technical Lead (3)	
	Project Manager (4)	
	IT Manager (5)	
	Consultant (7)	
	Educator (8)	
	Researcher (9)	
	Analyst (11)	
	Other (please specify) (13)	
-		

*

D7 What type: apply.)	s of systems do you have significant experience developing? (Select all that
	Operating systems (1)
	Web applications (2)
	Mobile applications (3)
	Desktop applications (4)
	Middleware (5)
	Al-intensive systems (6)
	Development tools (compilers, programming languages, etc.) (7)
	Libraries/frameworks (8)
	Others (please specify) (9)

Q59 Which of	these languages do you regularly create code in? (Select all that apply)
	Python (1)
	C++ (4)
	C (5)
	Java (6)
	C# (7)
	JavaScript (8)
	Go (9)
	Basic (10)
	Pascal (11)
	SQL (12)
	Others (please specify) (13)
development' actively invo exclusively r generative A	ou used or do you use prompt-integrated generative AI tools to assist with software (An AI Tool being "prompt-integrated" means that you, the user, can be lived in constructing a prompt to guide the tool's output, rather than the tool unning in the background. For the rest of this survey, any mention of I implies a prompt-integrated tool.)
O Yes (
O No (2)

Skip To: End of Survey If Have you used or do you use prompt-integrated generative AI tools to assist with software develop... = No

*	
	hese prompt-integrated AI tools do you regularly use to assist with software asks? (Select all that apply)
	ChatGPT (1)
	Claude (4)
	Gemini (7)
	Grok (9)
	Deepseek-R1 (10)
	Llama (17)
	Copilot (18)
	Al-integrated IDE (e.g. Windsurf) (please specify) (16)
	Others (please specify) (12)

Q182 How, if a	t all, does your development workflow incorporate Al tools? (Select all that apply)
	Web interfaces (1)
	IDE plugins/extensions (2)
	Command line tools (3)
	API integration with development pipelines (4)
	Other (please specify): (23)
	My workflow does not incorporate AI tools (5)
Q181 Approximengineering tas	nately how often do you use generative AI tools when working on software sks?
O Multiple	times daily (1)
Once da	aily (2)
O A few ti	mes per week (3)
O A few ti	mes per month (4)
Rarely	(5)

Q184 How, if at all, has using AI tools affected your productivity as a developer?
○ Significantly decreased productivity (1)
Slightly decreased productivity (2)
O No noticeable change (3)
Slightly increased productivity (4)
○ Significantly increased productivity (5)
Q57 Have AI tools changed your approach to software development, compared to developing software without AI tools?
○ Yes (1)
O No (3)
O Unsure (4)
Display this question: If Have AI tools changed your approach to software development, compared to developing software
C4 How has your use of AI tools changed your approach to software development? (Please respond as briefly or as fully as you'd like; any insights are appreciated.)
End of Block: Al Experience, Tools, Development Workflow
End of blook At Experience, 10013, bevelopinent workilow

Start of Block: Techniques for Prompting

Q174 This section of questions asks about the specific techniques and context you use when prompting generative AI tools.

Q58 Please rate your familiarity with the following prompting strategies:

·	Never heard of it (1)	Heard of it but don't use (2)	Use occasionally (3)	Use regularly (4)
Few-Shot Learning - Providing examples to guide generation (10)	0	0	0	0
Output Automator - Generate scripts to implement the Al-suggested solutions (11)	0	0		
Meta-prompting - Having AI suggest better prompts for specific tasks (12)	0	0	0	
Meta Language Creation - Adjusts/Adds specific semantics to words, phrases, or symbols in the prompt (13)	0	0	0	
Output Style - Make the Al's output follow a particular format or style (14)	0	0	\circ	0
Persona - Ask Al to complete a task while acting as a certain role or character (15)	0	0	0	0
Condition Check - Produce certain type(s) of output when specific condition(s) are met (16)	0	0	0	

Display this ques If Which of t Code Generation	these software engineering tasks do you regularly use AI to assist with? (Select all tha =
Q189 What spe (Select all that	ecific information do you most often include when prompting AI to generate code? apply)
	Example inputs and expected outputs (1)
	Specific libraries or frameworks to use (2)
	Performance or optimization requirements (3)
	Implementation alternatives to consider or avoid (4)
	Error handling expectations (5)
	Target environment or deployment constraints (6)
	Description of existing codebase architecture (7)
	Desired code style and naming conventions (8)
	Others (please specify): (9)
Display this ques If Which of t Code Generation	these software engineering tasks do you regularly use AI to assist with? (Select all tha =
Q191 Please elaborate on your prompting strategies for code generation (Optional)	

Display this q If Which Code Refacto	of these software engineering tasks do you regularly use AI to assist with? (Select all tha =
Q192 What (Select all th	specific information do you most often include when prompting AI to refactor code? nat apply)
	The original code with explanatory comments (1)
	Unit tests demonstrating expected behavior (2)
	Description of current issues and refactoring goals (3)
	Architectural constraints and style guidelines (4)
	Examples of similar code you consider well-structured (5)
	Code that should remain unchanged during refactoring (6)
	Performance requirements or benchmarks (10)
	Specific refactoring patterns to apply (7)
	Others (please specify): (9)
Display this of If Which Code Refacto	of these software engineering tasks do you regularly use AI to assist with? (Select all tha =
	e elaborate on your prompting strategies for code refactoring (Optional)

isplay this q If Which oftware Tes	of these software engineering tasks do you regularly use AI to assist with? (Select all tha
	specific information do you most often include when prompting AI to create or ts? (Select all that apply)
	Code to be tested with specifications (1)
	Edge cases and expected behaviors (2)
	Testing framework preferences and assertion styles (3)
	Test coverage goals and requirements (4)
	Examples of test cases (inputs-output mappings) (10)
	Existing test suite examples (5)
	Mocking or dependency handling instructions (6)
	Environment setup requirements (7)
	Performance or resource constraints for tests (8)
	Other (please specify): (9)

Display this question:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Software Testing

Display this qu	uestion:
If Which o	of these software engineering tasks do you regularly use AI to assist with? (Select all tha
Code Debuggi	nig
	specific information do you most often include when prompting AI to help with r program repair? (Select all that apply)
	Full error messages and stack traces (1)
	Steps to reproduce the issue (2)
	Environment details and configurations (3)
	Previously attempted solutions (4)
	Related logs or console output (5)
	Version control history or recent changes (6)
	System architecture or component interactions (7)
	Screenshots or visual evidence of the issue (8)

If Which of these software engineering tasks do you regularly use AI to assist with? (S Code Debugging	Select all tha =
Q201 Please elaborate on your prompting strategies for code debugging (Optional	ıl)
	<u> </u>
	<u>—</u>
	_

Display this question:

Display this question:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Documentation

	cumentation? (Select all that apply)
	Code with functionality explanation (1)
	Target audience information and technical level (2)
	Examples of desired documentation style (3)
	Domain-specific terminology guidelines (4)
	Documentation format requirements (5)
	Existing documentation that needs updating (6)
	Usage examples and scenarios (7)
	Project standards and conventions (8)
	Other (please specify): (9)
Display this o If Which Code Docum	· of these software engineering tasks do you regularly use AI to assist with? (Select all tha =
Q204 Pleas	e elaborate on your prompting strategies for code documentation (Optional)

Display this qu	estion:
If Which o Code Review	f these software engineering tasks do you regularly use AI to assist with? (Select all tha =
	pecific information do you most often include when prompting AI to help with code ect all that apply)
	Code to be reviewed with context (1)
	Project coding standards and guidelines (2)
	Security or compliance requirements (3)
	Performance expectations (4)
	Previous review feedback (5)
	Description of feature or fix purpose (6)
	Related system components or dependencies (7)
	Common pitfalls in this domain or codebase (8)
	Other (please specify): (9)
Display this qu If Which o Code Review	restion: f these software engineering tasks do you regularly use AI to assist with? (Select all tha =
Q207 Please	elaborate on your prompting strategies for code review (Optional)

End of Block: Techniques for Prompting

Start of Block: Conversation Strategies

Q55 This section of questions asks about your conversation strategies with AI tools, including structure and adaptation to suboptimal outputs.

Q208 How often do you structure your conversations with AI tools for software engineering tasks in the following ways?

	Often (1)	Sometimes (2)	Rarely (3)	Never (4)
Single comprehensive prompt - Providing all requirements, context, and constraints in one detailed prompt (1)	0	0	0	0
Incremental refinement - Starting with a basic request and iteratively refining based on AI responses (2)			0	
Step-by-step guidance - Breaking down complex problems into sequential steps for the AI to solve (3)	0		0	
Exploratory dialogue - Asking the AI to explore multiple solutions or approaches before implementation (4)	0		0	0
Context building - Progressively adding more context and background information as the conversation develops (5)	0		0	

Feedback loop - Providing explicit feedback on AI responses to guide subsequent outputs (6)		0	0
Template-based approach - Using consistent prompt templates adapted for specific task types (7)	0	0	0
Multi-part problem solving - Dividing the task into sub- problems addressed in sequence (8)		0	0
Comparative analysis - Having the AI generate multiple solutions for comparison (9)	0	0	0

Q56 When an AI response doesn't meet your needs, how often do you use each of the following strategies to guide it?

3 3	Often (1)	Sometimes (2)	Rarely (3)	Never (4)
Point out specific issues - Identify exact problems or errors in the Al's response (1)	0	0	0	0
Provide additional context - Add more background information or project details (2)	0		0	
Include example solutions - Share examples of the type of output you're looking for (3)	0		0	
Request explanations first - Ask the AI to explain its approach before making changes (4)	0		0	
Reformulate the original request - Restate your request using different wording or structure (5)	0		0	
Break down complex problems - Simplify the task into more manageable components (6)	0		0	
Add constraints or requirements - Specify	0	\circ	\circ	0

additional limitations or criteria (7)					
Request alternative approaches - Ask for different solutions to the same problem (8)	0	0	0	0	
Provide feedback on partial solutions - Give feedback on specific parts that work while requesting improvements to others (9)		0	0	0	
Q210 In your estin	nation, how many excl	nanges on average	with the Al tool do y	ou need to	
accomplish your ir	nmediate software enເ	gineering goal?			
O 1 (1)					
O 2-3 (2)					
O 4-6 (3)					
O 7-10 (4)					
O 10+ (5)					
O Unsure (6))				
End of Block: Co	nversation Strategie	s			

Start of Block: Issues and Reliability with Al for Software Engineering

P0 This section of questions asks about the challenges and effectiveness of using AI tools for various software engineering tasks. The answers in this section represent broad categories and

contain examples for explanation, but these are not meant to be comprehensive. You may need to consider similar possibilities based on your own personal experience.				

(Select all that apply) Display this choice: If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Generation Designing software and code architectures (e.g. software design, architectural patterns) (1) Display this choice: If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Generation Setting up structural code (e.g. boilerplate, function headers, imports) (4) Display this choice: If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... Code Generation Implementing new code components (e.g. includes creating data structures, writing functions) (2) Display this choice: If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha ... = Optimizing existing code (e.g. performance improvements, reducing complexity) (5)Display this choice: If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha ... = Code Refactoring Standardizing and cleaning code (e.g. style improvements, naming conventions, removing duplication) (6) Display this choice: If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Software Testing Test creation and implementation (e.g. unit, integration, end-to-end test code) (8)Display this choice: If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Software Testing

Q185 For which specific types of software engineering tasks do you regularly use AI tools?

	Test strategy and planning (e.g. test case design, edge case identification) (9)
Display this ch	oice:
If Which o Code Debuggi	f these software engineering tasks do you regularly use AI to assist with? (Select all tha = ng
	Issue diagnosis (e.g. understanding errors, identifying root causes) (11)
Display this ch If Which o Code Debuggi	f these software engineering tasks do you regularly use AI to assist with? (Select all tha =
	Bug fixing (e.g. resolving exceptions, fixing logical errors) (12)
Display this ch	oice:
If Which o Code Docume	f these software engineering tasks do you regularly use AI to assist with? (Select all tha = ntation
	Code-level documentation (e.g. functions, classes, inline comments) (14)
Display this ch	oice:
If Which o Code Docume	f these software engineering tasks do you regularly use AI to assist with? (Select all tha = ntation
	Project-level documentation (e.g. READMEs, architecture docs, API docs) (15)
Display this ch If Which o Code Review	oice: f these software engineering tasks do you regularly use AI to assist with? (Select all tha =
	Code quality evaluation (e.g. style, maintainability, complexity) (18)
Display this ch If Which o Code Review	oice: f these software engineering tasks do you regularly use AI to assist with? (Select all tha =
vulnerabil	Functional / performance assessment (e.g. efficiency, potential bugs, security ities) (19)
	Others (please specify) (21)

C2 How reliable do you find AI tools for each of these software engineering scenarios?

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Generation

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Generation

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Refactoring

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Refactoring

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Software Testing

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Software Testing

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Debugging

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Debugging

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Documentation

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Documentation

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Review

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Review

(7) reliable (8)	newhat Very eliable unreliable 10) (11)	Unsure / Haven't tried (12)
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Display this choice: If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha				
= Code Generation Implementing complex algorithms (e.g. multiple edge cases, intricate logic flows, mathematical computations) (1)				0
Display this choice: If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha = Code Generation	0	0		
Creating code for system integration (e.g. connecting with external APIs, third-party libraries, services) (2)				
Display this choice: If Which of these software engineering tasks do you regularly use AI to assist with?	0	0	0	0

(Select all tha... = Code Refactoring

Modernizing outdated code patterns (e.g. updating to current language features, migrating between frameworks)
(6)

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Refactoring

Refactoring for performance gains (e.g. optimizing algorithms, reducing resource consumption)
(7)

Display this choice:

If Which of
these software
engineering
tasks do you
regularly use AI
to assist with?
(Select all tha...
= Software
Testing

Test case design and coverage (e.g.

identifying edge cases, appropriate test coverage, requirements validation) (9)

Display this choice:

If Which of
these software
engineering
tasks do you
regularly use AI
to assist with?
(Select all tha...
= Software
Testing

Test code maintainability (e.g. generating maintainable tests, appropriate assertions, handling test dependencies) (10)

Display this choice:

If Which of
these software
engineering
tasks do you
regularly use AI
to assist with?
(Select all tha...
= Code
Debugging

Root cause analysis (e.g. diagnosing complex interactions, identifying underlying issues vs. symptoms)

(13)Display this If Which of these software engineering tasks do you regularly use Al to assist with? (Select all tha... = Code Debugging Contextdependent bugs (e.g. environmentspecific issues, legacy code problems) (16) Display this If Which of these software engineering tasks do you regularly use Al to assist with? (Select all tha ... = Code Documentation Documenting implementation rationale (e.g. explaining the "why" behind decisions, architectural considerations) (18)Display this If Which of these software engineering tasks do you regularly use Al to assist with?

(Select all tha... = Code Documentation

Maintaining documentation accuracy (e.g. consistency with code changes, technical accuracy) (19)

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Review

Contextual
code
understanding
(e.g.
comprehending
business logic,
project-specific
patterns) (21)

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Review

Non-functional requirements assessment (e.g. security vulnerabilities, performance implications) (23)

	Please list any other software engineering scenarios not represented above which used generative AI tools for, and indicate their reliability.	h you
-		
-		
_		

Q186 How often do you encounter the following issues when using AI tools for software engineering tasks?

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Generation

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Generation

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Refactoring

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Refactoring

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Software Testing

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If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Software Testing

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Debugging

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Debugging

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Documentation

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Documentation

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Review

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Review

Always (1)	Often (2) Sometii (3)	mes Rarely (4)	Never (5)
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Display this If Which of these software engineering tasks do you regularly use Al to assist with? (Select all tha... = Code Generation Code correctness and compatibility issues (e.g. hallucinated functions/APIs, incorrect syntax, compilation errors) (1) Display this If Which of these software engineering tasks do you regularly use Al to assist with? (Select all tha... = Code Generation Codebase consistency issues (e.g. misalignment with existing code styles, violation of project architecture) (3) Display this choice: If Which of these software engineering tasks do you regularly use Al to assist with? (Select all tha ... =

Code Refactoring

Unintended behavior changes (e.g. altering code functionality, introducing subtle bugs, breaking existing tests) (5)

Display this

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code Refactoring

Incomplete code transformations (e.g. partial refactorings, inconsistent application of patterns) (6)

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Software Testing

Tests that miss actual requirements (e.g. tests don't verify intended behavior, miss important edge cases) (8)

Display this If Which of these software engineering tasks do you regularly use Al to assist with? (Select all tha... = Software Testing Low-value tests with inadequate coverage (e.g. superficial tests, insufficient test depth, overly implementationspecific) (11) Display this If Which of these software engineering tasks do you regularly use Al to assist with? (Select all tha... = Code Debugging Suggested bug fixes miss root causes (e.g. addressing symptoms instead of underlying issues, failure to diagnose complex issues) (12) Display this choice: If Which of these software engineering tasks do you regularly use Al

to assist with?

(Select all tha... = Code Debugging

Fixes that introduce new bugs (e.g. creating side effects, breaking other functionality) (14)

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code
Documentation

Inaccurate or incomplete technical documentation (e.g. wrong details, missing important functions) (16)

Display this choice:

If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha... = Code
Documentation

Superficial
explanations of
complex
functionality
(e.g. generic
descriptions
lacking
technical depth)

Display this choice: If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha = Code Review Superficial code analysis (e.g. overlooking critical bugs, missing nonfunctional requirements) (19)					
Display this choice: If Which of these software engineering tasks do you regularly use AI to assist with? (Select all tha = Code Review False positives and hallucinations	0	0			0
(e.g. flagging non-issues, hallucinating non-existent problems) (20)					
Q61 Please list a above, and indica			tered with gener	ative AI not repre	esented —

nd of Block: Issues and Reliability with Al for Software Engineering
art of Block: Contact Information
Thank you so much for taking the time to complete this survey! Your response will help to crease the reliability and usefulness of generative AI tools. If you would be willing to be ntacted for an interview to further explore prompting strategies and your responses to this rvey, please enter your e-mail address below.
nd of Block: Contact Information