How I Built This Workshop

A Real Example of Agentic Vibe Coding

9 prompts → 33 slides + full documentation

The Setup

What is Agentic Vibe Coding?

- You describe what you want in plain language

- An AI agent executes: writes code, creates files, searches the web

- You review, redirect, and iterate

- The agent handles the HOW, you provide the WHAT

- This entire workshop was built this way

The Session at a Glance

- Goal: Create a 90-minute workshop on vibe coding
- Tool: Claude Code (command-line AI agent)
- Prompts: 9 total
- Output: 33 slides, facilitator guide, itinerary, meta-docs
- Let me show you each prompt...

The Prompts

HUMAN:

im a tenured faculty at a california community college and i need to give a talk/workshop on zoom about vibe coding and other advanced AI skills. what are the best tools i can show people that are at the free tier? ideally, something like claude code would be nice, but i can't expect a lot of technical skills.

CLAUDE DID:

- Researched free-tier AI coding tools

- Organized by accessibility level

- Recommended browser-based tools for non-technical audience

- Created a comparison table

HUMAN:

i probably need some very nice, stylish, powerpoint slides to go along with this. can we generate a well scoped template with bounding boxes for text, etc, so that we can programmatically create them? and also an idea for hands-on demos, step-by-steps, examples, and exercises?

CLAUDE DID:

- Created a Python script using python-pptx

- Built a design system (colors, fonts, spacing)

- Designed 8 reusable slide templates

- Generated 25+ slides with full content

- Wrote a facilitator guide

HUMAN:

let's create this

CLAUDE DID:

- Ran the Python script

- Encountered an import error

- Fixed the error automatically

- Generated the PowerPoint file

HUMAN:

what is the current color scheme?

CLAUDE DID:

- Explained the palette: indigo, emerald, slate
- Described each color's role
- Offered alternative schemes
- (Sometimes you just need to understand what was built)

HUMAN:

ok this is great! can you explain how you made slides this good? like to pass forward to a future agent?

CLAUDE DID:

- Created SLIDE_GENERATION_GUIDE.md

- Documented the design system approach

- Explained code structure patterns

- Made the knowledge reusable for future sessions

HUMAN:

let's re-think our exercise and presentation a little. its 90 minutes long, but what about vibe coding tools like jules.google?

CLAUDE DID:

- Searched the web for Jules info
- Compared Jules, Lovable, Replit
- Presented 3 restructuring options
- Let the human choose direction

HUMAN:

which is most accessible on the free tier to educators, lovable, replit, or jules?

CLAUDE DID:

- Researched each tool's free tier limits
- Created detailed comparison table
- Recommended Lovable (lowest friction)
- Suggested Jules for async demo

HUMAN:

let's make our program about lovable and jules, and here is my program description: Hands on tips for more advanced AI prompting tips and tool use, including basics of vibe coding. also give me an itinerary and make sure we're being really step-by-step here to guide people into using these tools!

CLAUDE DID:

- Created detailed 90-minute itinerary

- Wrote 6-step Lovable exercise with checkpoints

- Added Jules demo script

- Regenerated all slides with new focus

- Color-coded Lovable (pink) and Jules (blue) sections

HUMAN:

ok there's a few small formatting issues. in addition, i think it would be cool if we could extract my prompts from this session as an 'example' of more agentic vibe coding. [+ screenshot]

CLAUDE DID:

- Identified bug from screenshot
- Fixed empty-string numbering issue
- Created SESSION_PROMPTS_EXAMPLE.md
- Then created THIS slideshow you're watching

Patterns to Notice

The Collaboration

HUMAN PROVIDED

- Audience context (CC faculty)
- Constraints (90 min, free tier)
- Tool preferences (Lovable + Jules)
- Bug reports (screenshot)
- Direction changes
- Meta-requests (document this)

AI PROVIDED

- Tool research & comparisons
- Python code for slides
- Content writing
- Design system
- Bug fixes
- Documentation

5 Patterns That Worked

- Started broad, then focused (workshop → specific tools)

- Gave context about the audience upfront

- Iterated when things weren't right

- Asked for reusable artifacts (guides for future agents)

- Used screenshots for bug reports

Key Takeaways

1

You don't need to know the solution

Describe the problem, let the agent propose approaches. I didn't write the slide code—I described what I wanted the slides to look like.

2

Iteration is normal

This workshop took 9 prompts to get right. Each prompt refined the output. Don't expect perfection on try one.

3

Screenshots and specifics help

When something's wrong, show it. A screenshot of the formatting bug led to an immediate fix.

4

AI works at multiple levels

Research (what tools exist?) → Content (what to teach?) → Design (make it pretty) → Code (write Python) → Meta (document the process)

5

The skill is knowing what to ask for

Not how to code it. 'Make stylish slides programmatically' is the human skill. Writing python-pptx is the AI skill.

Try It Yourself

PROMPT Template

CLAUDE DID:

- Fill in the brackets with your context

- Be specific about your audience

- State your constraints upfront

- Ask for one thing to start

- Then iterate based on what you get

What You Could Build

- A quiz app for your students
- A syllabus website
- Lecture slides from an outline
- A grade calculator
- Documentation for your course materials
- Anything you can describe in words

Questions?

This slideshow was also built with agentic vibe coding.

Yes, it's turtles all the way down.