

A decorative line graphic in the top right corner consisting of three connected line segments with small circular endpoints, forming a jagged, upward-pointing shape.

How I Navigate Agentic Coding

as a Junior Software Engineer in a Startup

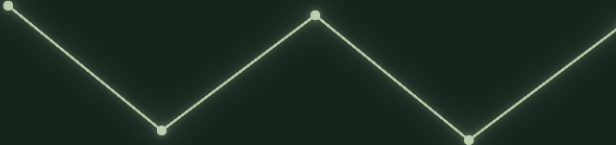
Yong Kheng Beh

Software Engineer, Vocare

Volunteer, Infoxchange (SAcommunity.org)

Emerging Professionals Committee, ACS SA

Qualified medical doctor

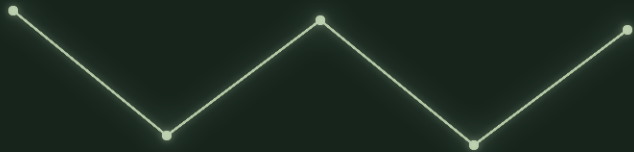
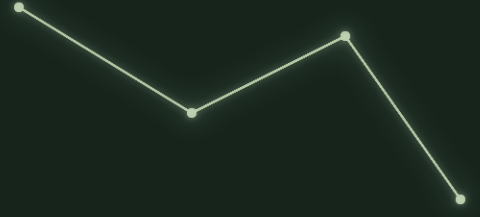
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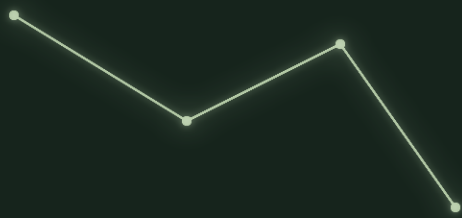
My Honest Feelings with Claude Code



Do I Trust AI?

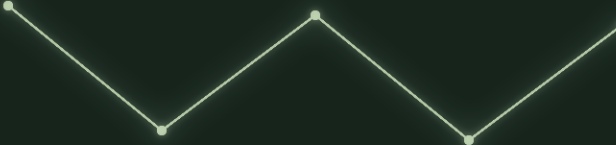
Partially



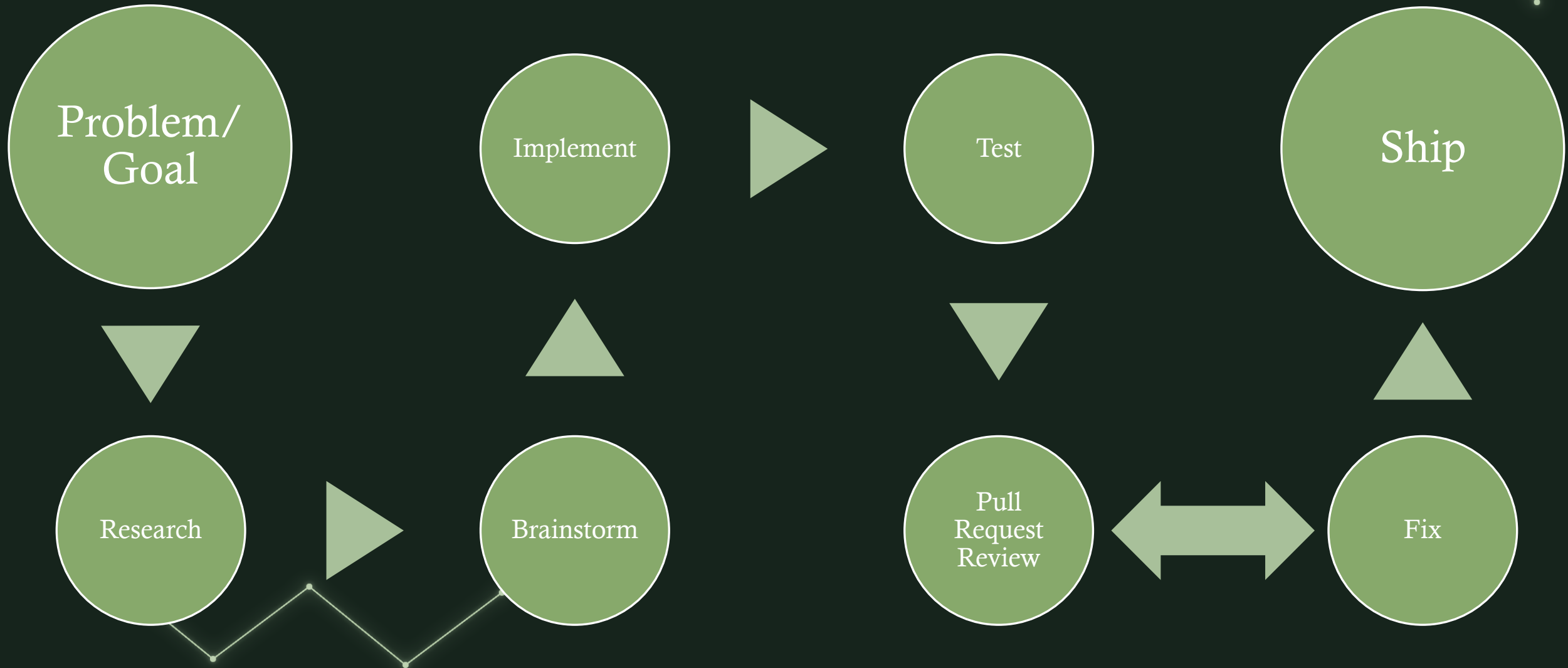


How do I check AI work?

Use AI

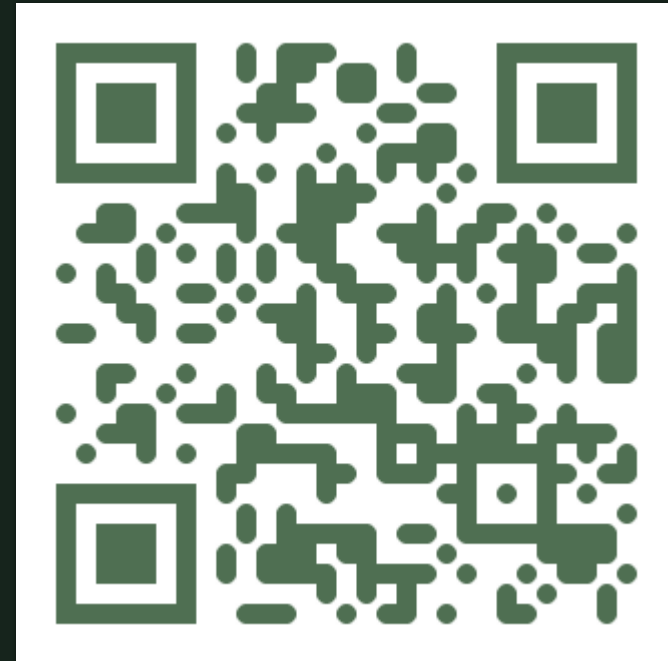


My Workflow



Audits

- ◇ Security audits
- ◇ Test-suite audits
- ◇ Cleanup
- ◇ ARCHITECTURE.md



<https://knip.dev/>

Tools

<https://github.com/obra/superpowers>



Claude Built-in Commands

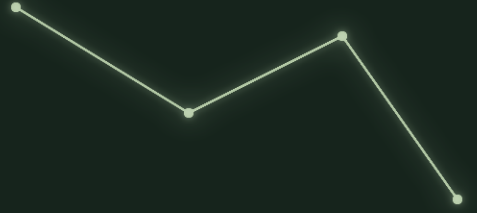
- ◇ /deep-research
- ◇ /schedule
- ◇ workflow
- ◇ ultrathink



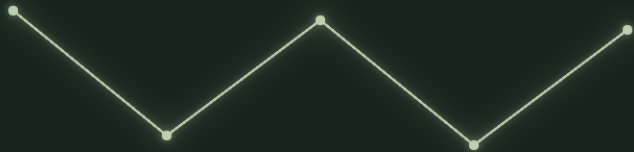
Human in the Loop

- ◊ Check the database directly
- ◊ Roughly read the diff
- ◊ Manual user testing

Keep Learning



- ◊ If AI mentioned something unfamiliar:
 - ◊ ask it to explain more and why is it needed.
- ◊ Continue to study software engineering fundamentals:
 - ◊ You don't know what you don't know.
- ◊ Always be curious





Uncle Bob Martin



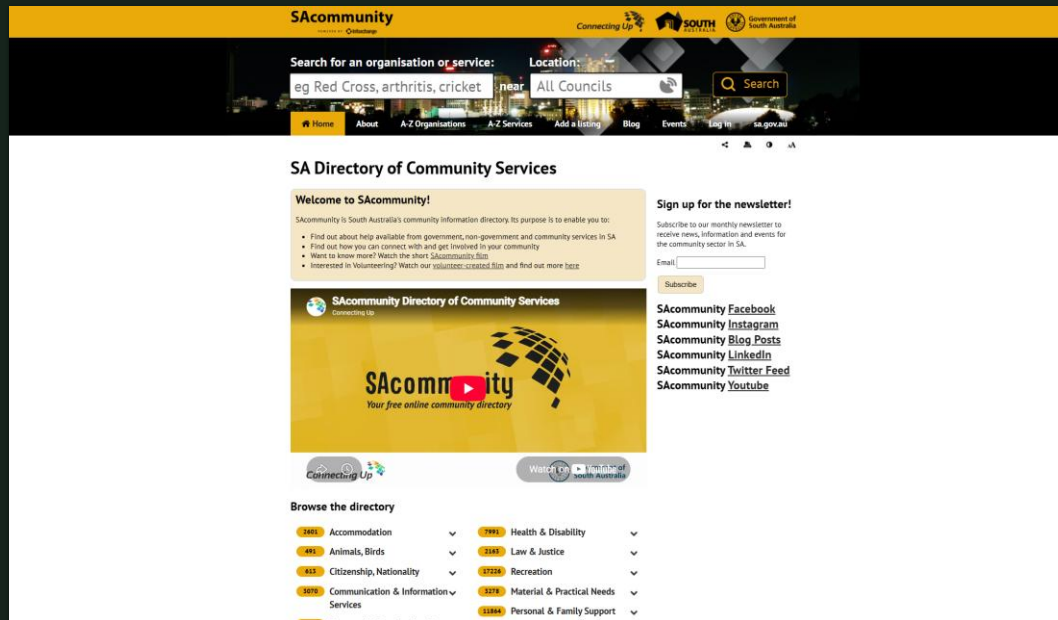
@unclebobmart
in

· Jul 23

Replying to [@ori_pomerantz](#)

I'm significantly older than you. I started coding in the late 60s. My current strategy is to not read any of the code written by my agents. That's the only way I can take advantage of their productivity. What I do instead is to surround the agents with extreme constraints. Unit tests, gherkin tests, QA procedures, quality metrics, mutation testing, test coverage, and a plethora of others. In the end, I have very high confidence in the code they produce because they've had to run the gauntlet of all of my constraints and tests.

My Current Side Project with Claude Code



- ◇ SAccommunity.org
- ◇ Legacy website (>10 years)
- ◇ >14000 listings, >1000 articles
- ◇ Requirements:
 - ◇ Migrate from Drupal 6 to Drupal 11
 - ◇ Fix current website's pain points

Data Migration

Problems

A heavily customised CiviCRM inside Drupal 6

- Difficult to locate the data

Slow SQL extraction

Scattered migration process:
separate SQL, PHP and Python scripts



Solutions

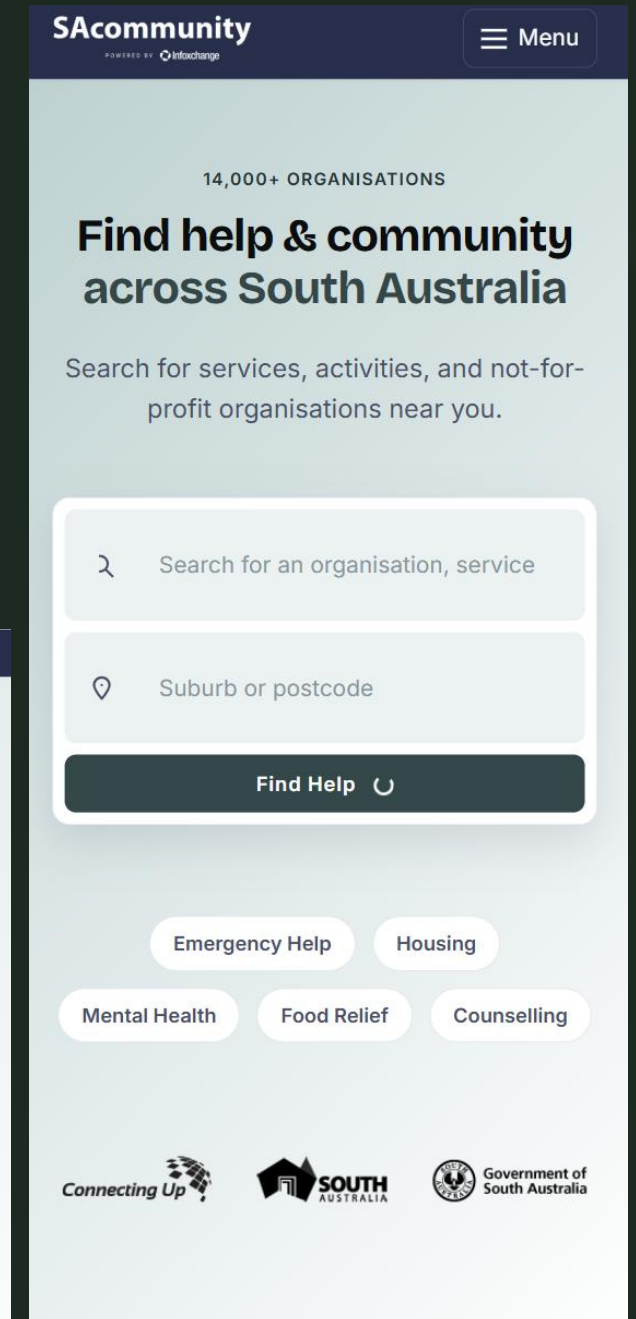
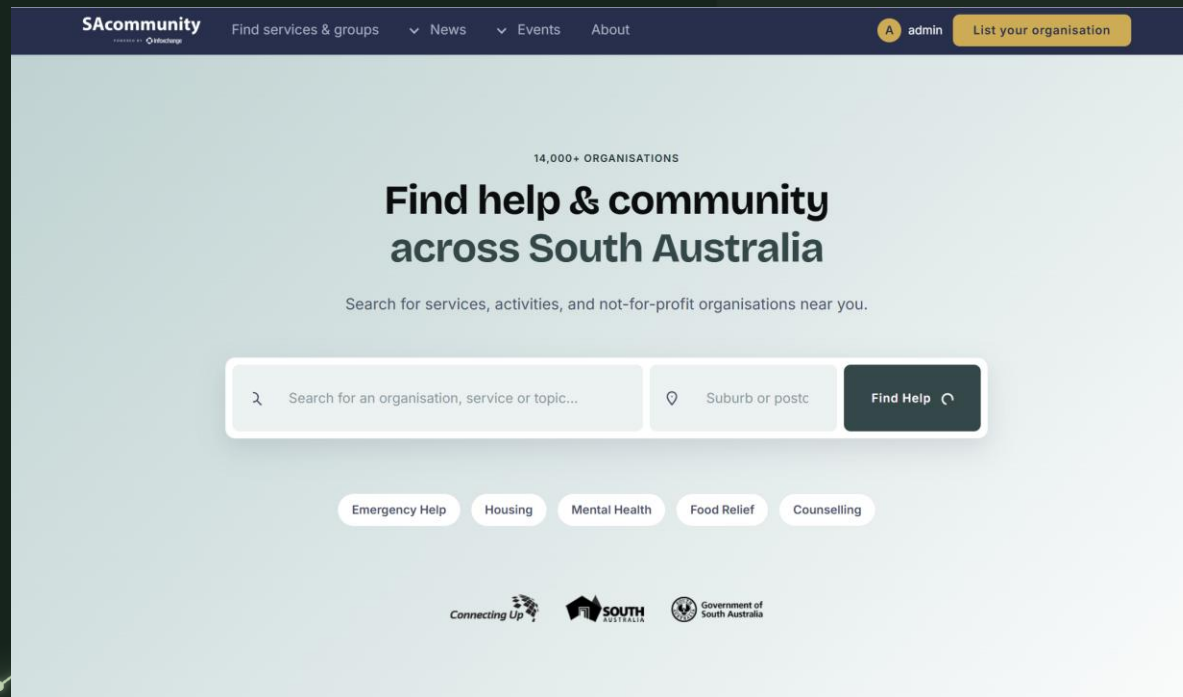
Found where the data lived
successfully extracted the data needed

Extraction time shortened
from days to less than a minute

Streamlined the pipeline into one recoverable
process

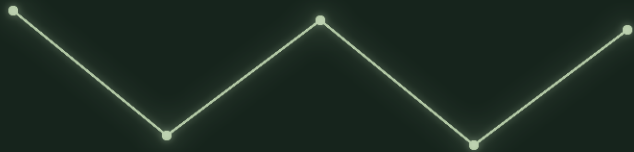
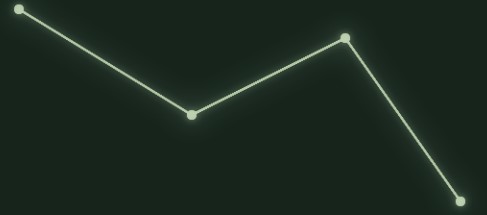
WIP

- ◆ UI/UX design
 - ◆ Information Architecture
 - ◆ Responsive Website
 - ◆ Page Designs for Different Content Types (Listings, articles, events, venue hire)
 - ◆ Accessibility
- ◆ Search
- ◆ Fix pain points



Conclusion

- ◇ Problem solve with Claude Code with many **guardrails** around it.
- ◇ Be clear of what you want out of Claude Code.
- ◇ Communicate clearly, be specific with your prompt.
- ◇ Instead of checking the code, check the **result and output**.
- ◇ Keep things **organised** and clean up regularly.



Thank You

