

Peer Programming to increase "Team Quality"

Photo by [Randy Fath](#) on Unsplash



About me

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Wait... what's "peer
programming"?

**Pair Programming
Mob Programming**

Collaborative development work!

A close-up photograph of a pigeon standing on a dark, textured surface, possibly asphalt or concrete. The pigeon has greyish-blue feathers on its head and neck, with a distinct green patch on its wing. Its body is primarily light grey with dark grey wing tips. It is looking slightly to the left. The background is blurred, showing horizontal streaks of orange, red, and yellow, suggesting a sunset or sunrise sky.

Have you done *pair programming*?

Photo by [Parshant Saini](#) on Unsplash

A photograph of a protest or riot at night. In the foreground, a person's arm is raised, showing a yellow wristband, with their fist clenched. Red and orange smoke or fire fills the air, obscuring parts of the scene. In the background, there are buildings and more smoke. The overall atmosphere is one of civil unrest and conflict.

Have you done *mob programming*?

Photo by **Rafael Garcin** on Unsplash

A vintage black portable stereo with a cassette deck and a speaker. The cassette deck has four orange buttons labeled 'PLAY', 'PAUSE', 'STOP', and 'REWIND'. The speaker is a large circular unit with a dark grille. The brand name 'GRUNDIG' is printed in a white rectangle on the front panel.

Is your team *frequently doing it*?

Why are we doing this?

Common reasons

**learning/knowledge sharing
code quality**

Common criticism

no proven benefits

inefficient

difficult for some people

Pairing can be difficult...
because it puts people in situations of vulnerability.

Why should we be doing
this?

"team quality"!

(duh... that's the title)



Trust

Photo by [Fabian Gieske](#) on Unsplash

A photograph of two young children, a boy and a girl, standing on a rocky cliff edge. They are both facing away from the camera, looking out over a body of water towards a large, craggy rock formation. The boy, on the left, is wearing a yellow t-shirt and blue shorts, and he is pointing his right hand towards the horizon. The girl, on the right, is wearing a white sleeveless top with a green leaf pattern and a light blue floral skirt. The background features a clear blue sky and the dark blue ocean. In the far distance, a small boat is visible near the rock formation.

Shared vision

Photo by **Torsten Dederichs** on Unsplash

A dark, moody photograph showing the lower half of a dog's body in motion. The dog is walking on a light-colored wooden floor, with its front paws lifted and back legs pushing off. The lighting is dramatic, casting long shadows and highlighting the texture of the wood and the dog's fur.

Shared ownership

Photo by Jen Theodore on Unsplash

How does peer programming
help with that?

A close-up photograph of two Cedar Waxwings perched on a thin, dark branch. They are facing each other, with one bird's beak open as if offering or receiving food. Both birds have distinctive orange-red crests and black wing patches with red highlights. The background is blurred green foliage.

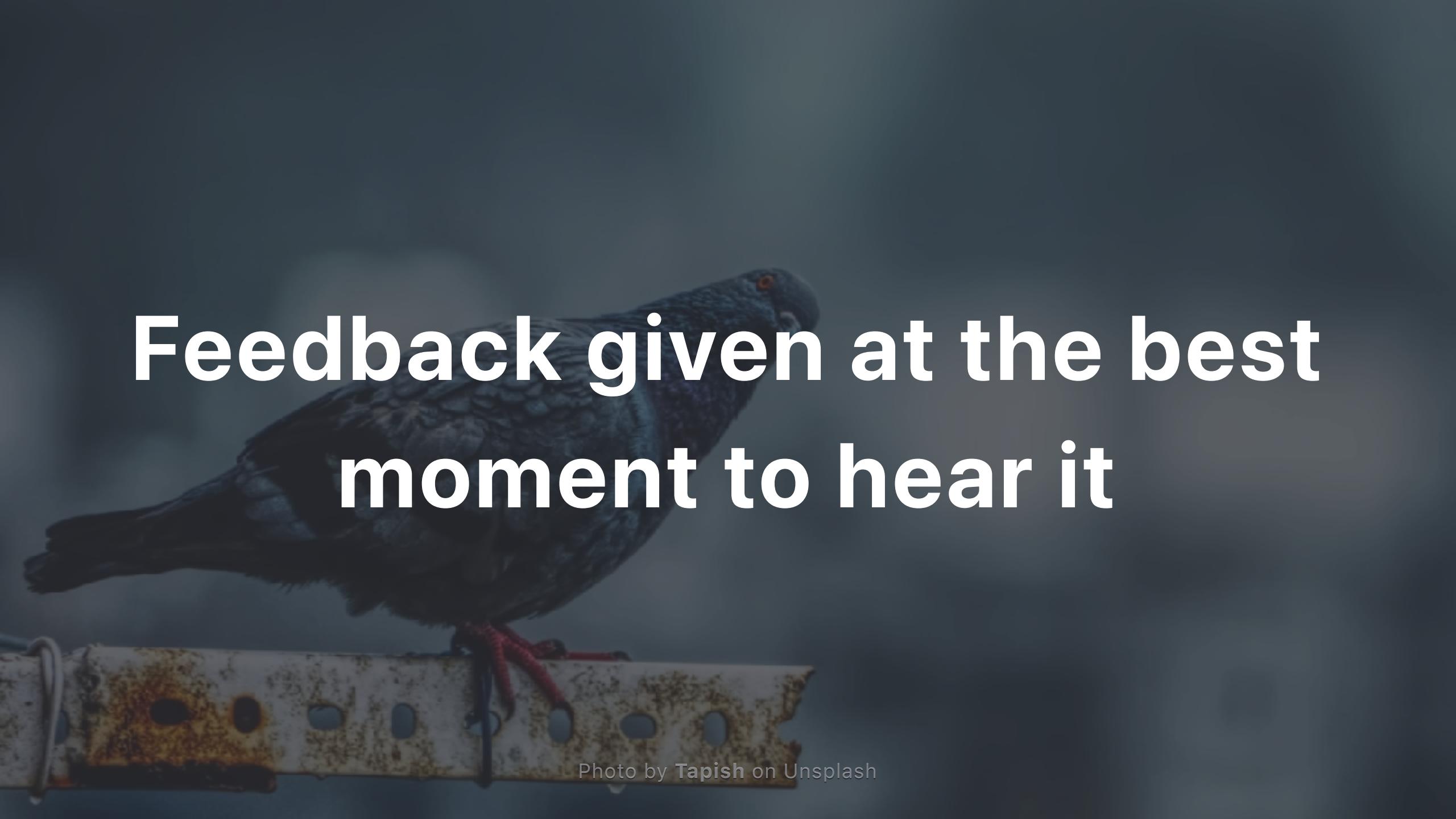
We share...

Photo by **Gary Bending** on Unsplash

our unpolished work

our thought processes

**We gain a deeper understanding
of each other**

A close-up photograph of a dark-colored bird, possibly a pigeon or dove, perched on a weathered metal railing. The bird is facing right, its head turned slightly towards the camera. Its feathers are dark with some lighter, mottled patterns. The background is a soft-focus grey.

Feedback given at the best
moment to hear it

Photo by [Tapish](#) on Unsplash

while you're creating something

not when *your work* is "done"

Collaboration

solving a problem together

**Not opposition
ciritquing your peers work**



Creates "collisions" between
people

Photo by [Jeffrey F Lin](#) on Unsplash

1:1 moments between people

who might not connect otherwise

A large flock of white sheep is gathered behind a dark wooden fence. The sheep are densely packed, filling the frame. Some are looking towards the camera, while others are facing away or to the side. The background is a bright, overexposed sky.

Mobbing your shared vision

Photo by [Nareeta Martin](#) on Unsplash

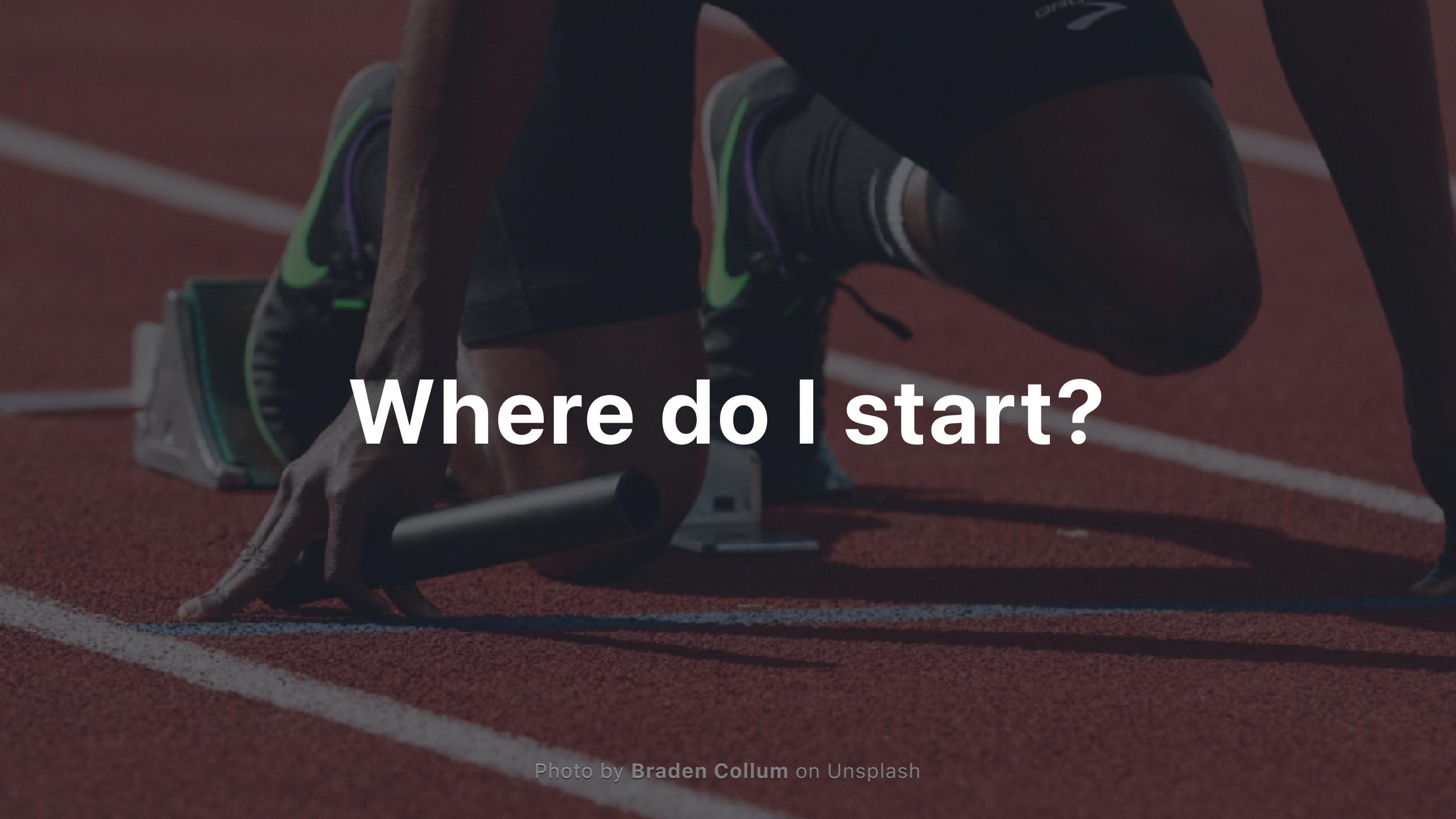
whole group creative process

**strengthens shared vision about
how we work**

**work agreements, code
standards, ...**

can emerge organically

**create moments to refine what
the whole team values**

A close-up, low-angle shot of a runner's legs and feet in motion on a red running track. The runner is wearing dark shorts, a dark t-shirt, and bright green and purple running shoes. The background is blurred, emphasizing the sense of speed.

Where do I start?

Photo by **Braden Collum** on Unsplash



DO IT!

High-quality screenshot by me

Don't over-do it

Start short, take breaks

**Collaborate when there's
uncertainty**

Split when all is clear

Look into techniques!

not just staring at the same IDE



Driver/Navigator

generated by Dall-E 3



Ping-Pong

be clear on roles

and switch them

only drop structure

once you've got a feeling

Pair promiscuously

Drop your async code review

Keep going!