

Xingchen Wang

Image Algorithms R&D / Technical Project Leader

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SUMMARY

Now leading a team of AI agents — efficiently driving multiple projects from zero to one, and quickly optimizing existing ones.

BEFORE — Image algorithms R&D engineer and technical project leader, taking algorithms from prototype to production.

SKILLS

AI collaboration	Running several agents and tools in parallel, delegating clearly, and reviewing at the key checkpoints so speed never costs quality.
Vision	Seeing where a product should go and the niche it holds in its ecosystem — then choosing what to build, and what to leave out.
Reflection	Looking back on what worked and what did not, and feeding it into how I and the agents work next time.
Foundations	Image algorithms, computer vision, computational imaging · C++, Python, OpenCV, JUCE, CMake, Git

OPEN SOURCE

OpenCV	3 merged PRs — upgraded the bundled libtiff to 4.7.2 (4.x, then ported to 5.x) and fixed an nvcc build error in the CUDA non-local-means kernel.
KEEP	ECCV'24 video face super-resolution — added an alternative way to initialize the repo when submodules are unavailable.
Image-Downloader	Fixed the Google and Baidu download bugs.

PHILOSOPHIES

A team of AI agents	I steer the direction and checkpoints.
Minimalism	Take away until only what matters is left.
Empathy	Start from the other person's seat.
First principles	Understand how the world works.

INTERESTS

Data	Macroeconomic data and the financial reports of companies I'm interested in.