

# Remote Collaboration

Programming and collaborating remotely

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# Take away

„Remote isn't all or nothing“

Remote - Office not required

by David Heinemeier Hansson & Jason Fried

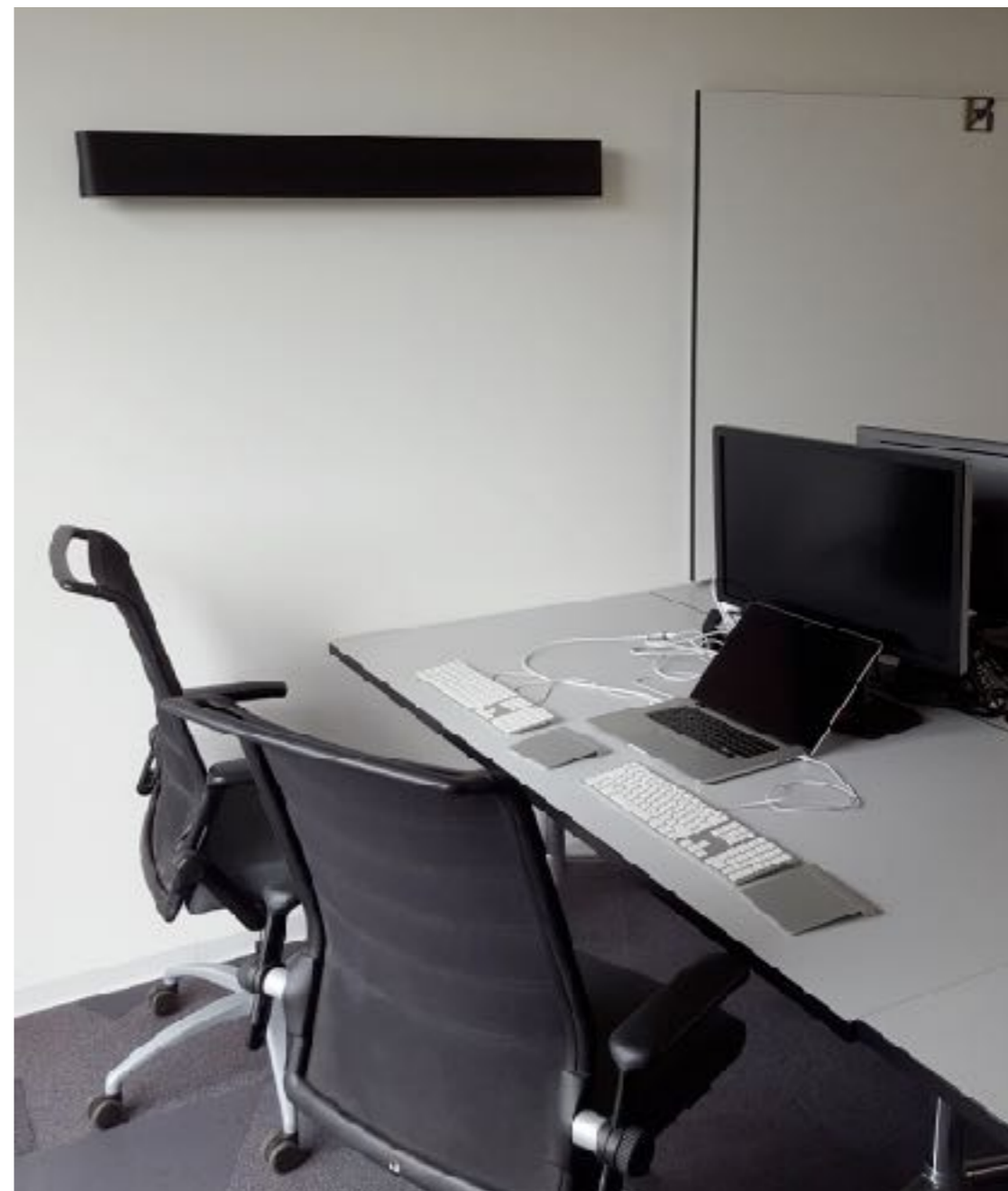
# Remote work benefits

- Workations
- Work where you enjoy working
- Work-Life-Integration
- No commuting
- More focus
- Retain or hire people who live elsewhere
- For me: increased quality of communication



# mindmatters 2016

- Open Office with Pair Programming Desks
- High degree of collaboration in meetings with heavy use of whiteboards
- Home Office is exception: care for sick child, waiting for a technician, etc.
- Remote StandUp possible
- No remote pairing or remote participation in meetings





# mindmatters 2018

- We have still our Open Office and our whiteboards
- Most projects allow remote work
- 1 developer lives in Florida since 2017
- 1 developer did a workation to Toronto, Canada
- 1 UX expert did a workation to Perugia, Italy
- about 1/3 of us developers are working from home one to three days a week

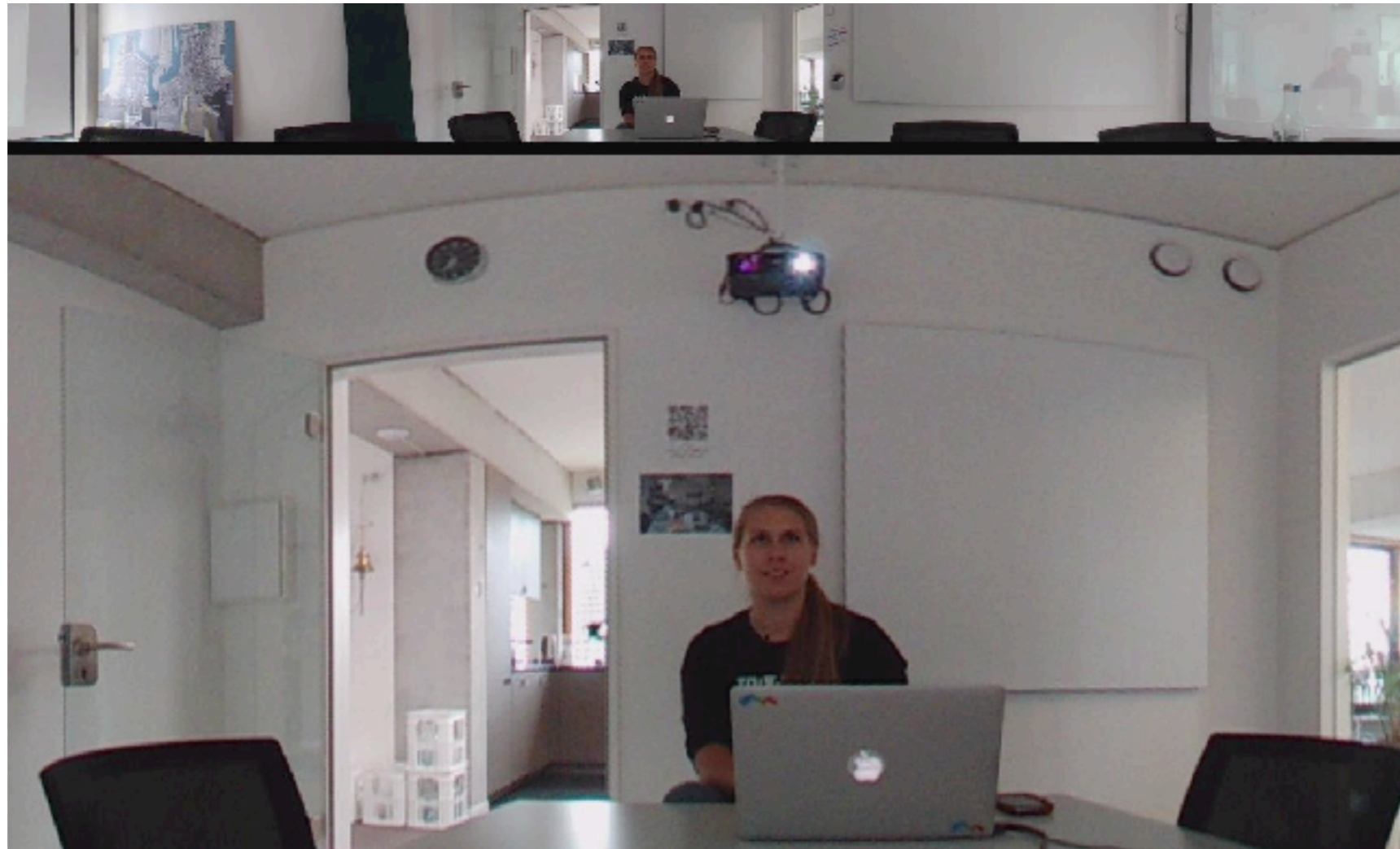


# New behaviours

- Sharing is caring: over communicate!
- If a chat gets too complicated, start a short video conference immediately
- If one person is remote, treat the complete meeting as remote
  - share everything via video conference
  - you may even spread throughout the office and join the video conference each by him/herself
  - digitalize all artefacts
- Provide feedback on audio / video quality
- Let people know you're present => also applies to people in the office!
- Bring less cake

# Audio / Video quality

- Mute yourself
- Speak loudly and slowly
- Don't clap
- Don't put mugs or glasses next to the mic
- Invest in good microphones
- Make sure the camera sees you
- You need a decent internet connection



# The meeting owl

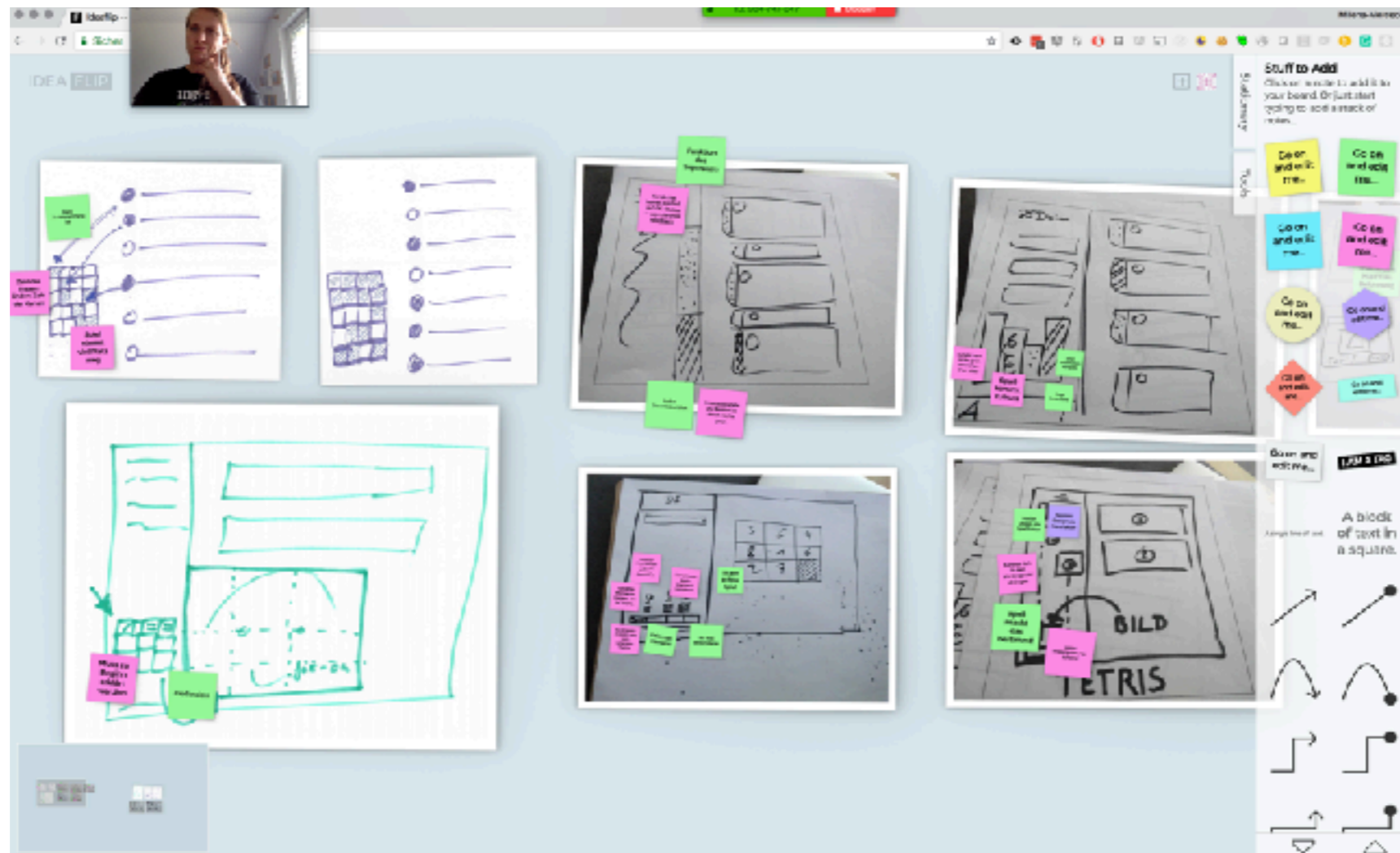
360 degrees camera



# Share everything via video conference

- Video conference tools
  - Zoom
  - Skype
  - [appear.in](https://appear.in) (no Installation, screen sharing per plugin?)
- Collaboration tools
  - Workflow tools (JIRA, Trello, Leankit, etc.)
  - Google Drive, Dropbox, etc.
  - Ideafliip
  - Pen, Paper and Photo





# Remote whiteboard

Ideaflip

# Pair Programming

- Screen sharing with remote control:
  - Latency!
  - Driver shares screen, co-driver talks
- Editor sharing
  - Saros (Eclipse / IntelliJ Plugin)
  - Atom Teletype
  - tmate (based on tmux, for terminal editors like Neovim, Emacs)
  - no latency

# Workation

- Mind the time zones
  - agree with your team and pairing partner on working hours
  - don't expect all meetings to be re-scheduled
  - working unusual hours will give you daytime to explore your destination
- Internet!
  - Hotel wifi is not sufficient for video conferencing
  - Co-working spaces do have opening hours ([coworker.com](http://coworker.com))
  - Have enough mobile internet volume as a backup



# Remote team building

- Online LAN Party
- Remote coffee break (donut.ai)



# Wrap Up Remote Collaboration

- The tools are elaborated enough to enable us to remotely collaborate and even program
- It's not a culture shift but a culture add
- It's not only about tools but also about how you work with them

# Thank you - Questions?

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