

# Social programming

Programming good research code good

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## Lesson 5

Maybe the real good code is the friends we made along the way

## Lesson 5

Work with better people than you

# Reality check

- ▶ People think that programming is a solitary activity
- ▶ Reality: at a place like Google, programming is very social
  - ▶ readability
  - ▶ code reviews
  - ▶ design reviews
  - ▶ pair programming
  - ▶ reading groups
  - ▶ retreats
  - ▶ performance reviews

## Practical tips

- ▶ Open an issue in an open source project
- ▶ Open a PR in an open source project
- ▶ Set up pair programming with people in your lab
- ▶ Set up a review circle

# It doesn't have to be lonely

- ▶ Maybe you're the best coder in your lab so you don't have opportunities for growth
- ▶ Contribute to open source projects
  - ▶ NMA & NMC are always happy to have more people!
- ▶ Join a community or hackerspace
  - ▶ BrainHack.org
  - ▶ Meetup
  - ▶ Hackerspaces
  - ▶ PyLadies

Take on hard projects with awesome people to grow your skills

- ▶ Great zine about how to become a wizard from Julia Evans
- ▶ Zine link

# You can accomplish anything!

The screenshot shows a Zoom meeting interface. At the top, there's a status bar with icons for mute, video, and recording, and a "LIVE" indicator. Below this, a large black rectangle on the left contains a pyramid of names, with the following names highlighted in yellow at the base: *Kozhneva, Fred d'Oleire Uquillas, Gill Karmi, Grace Lindsey, Gunnar Blohm, Haoxue Fan, Helena Ledmyr, Hyosub Kim, Itzel Olivos, Jai Kiran, Jakob Macke, Jan Drugowitsch, Jeffrey Erlich, Jeremy Forest, Jeroaranda, Jesse Livezey, Jesse Parent, Jiaying Xu, Joao Barbosa, Johanna Bayer, John Butler, John*. To the right of the names is a grid of 18 video thumbnails showing various participants. At the bottom, there's a chat window with a message from Miguel Núñez to Everyone, and a "Leave" button in the bottom right corner.

Recording **LIVE** on YouTube You are viewing John Murray's screen View Options Exit Full Screen

Beth Straley John Murray Maryam Vazi...  
Tara van Viegen... Megan Peters Patrick Mine...  
Gunnar Blohm Sean Escala (... Eliaz Karami  
Panagiotis Theo... Aina Puce Xaq Pitkov  
Brad Wyble Eric DeWitt Konrad Kord...  
madineh sar...

From Miguel Núñez to Everyone  
with the\*

Audio Settings Chat Raise Hand Q&A Leave



## Lesson 5

- ▶ Work with better people than you
- ▶ It's a bit of a stretch to make this work with the theme of WM & LTM
  - ▶ The most important point: grow with people
- ▶ Your 5-minute exercise: schedule one pair-programming session