



**University of Stuttgart**  
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# Simple Touch Prediction With Built-In IMUs

Intermediate Presentation

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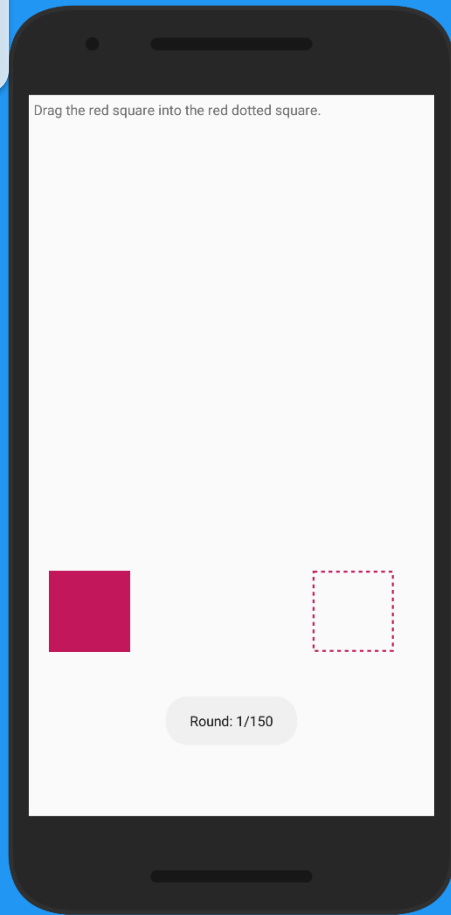
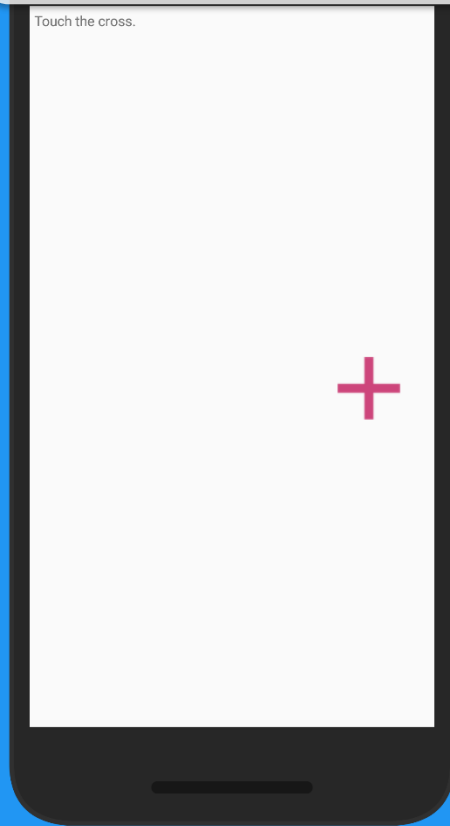
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FaPra Machine Learning and Computer Vision for HCI | Pfaffenwaldring 5a | 27.11.18



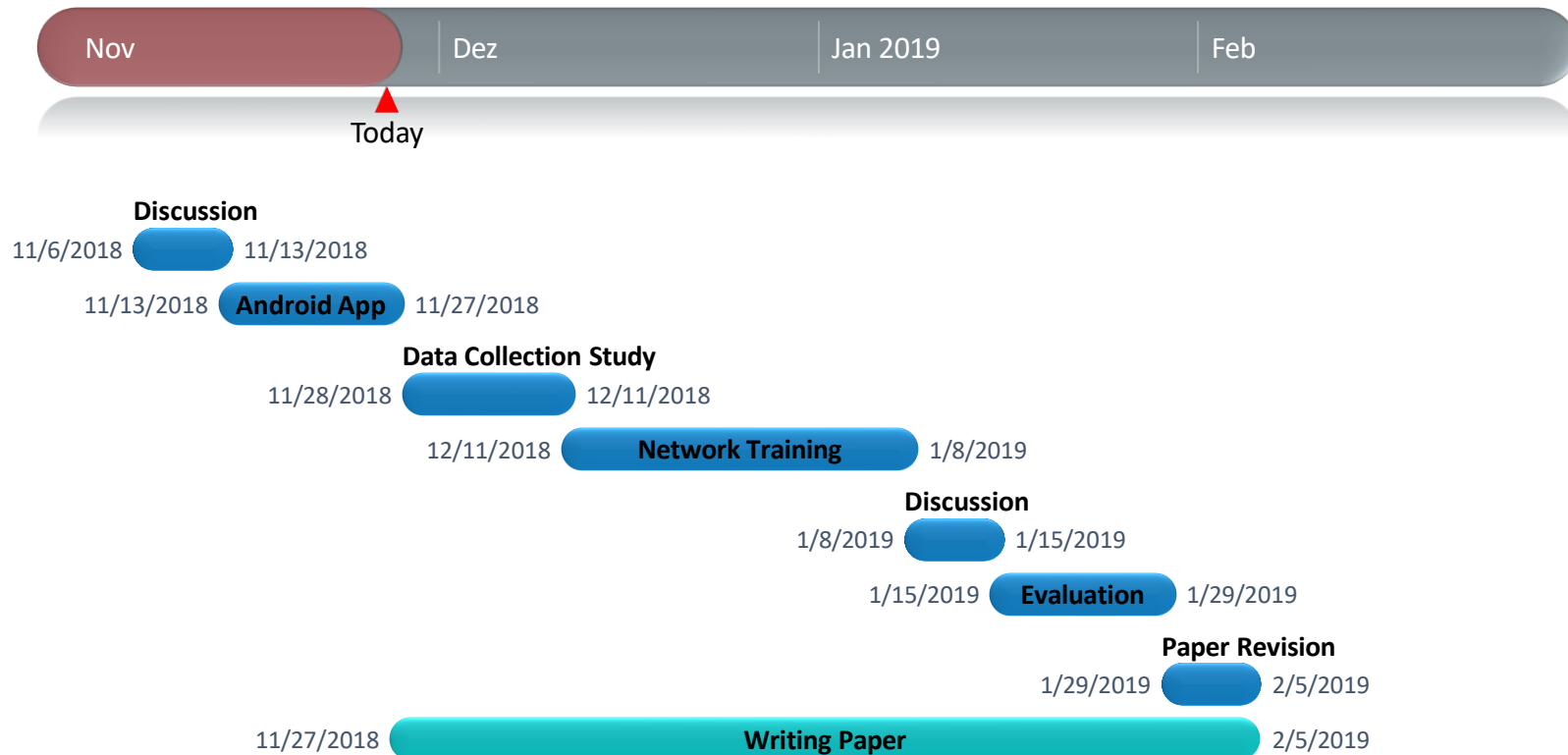
- Smartphone sizes are increasing steadily
- Whole front screen can not be reached without changing the grip
- Predict where users want to touch

# Current Status

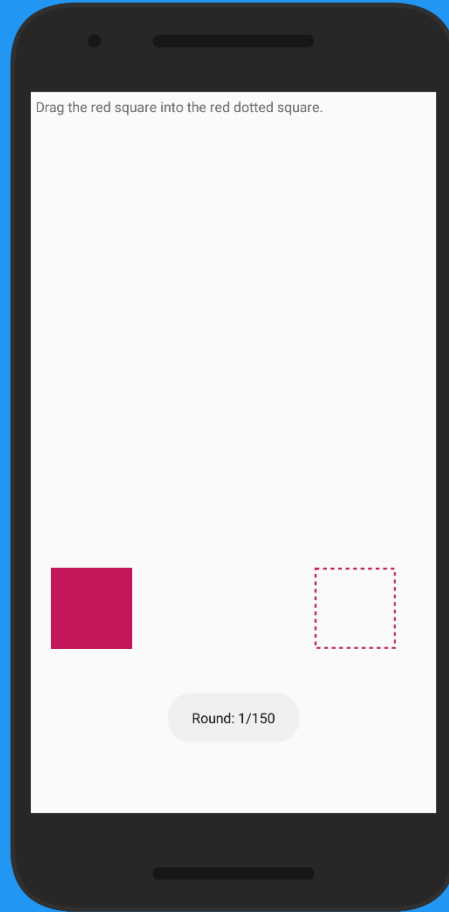
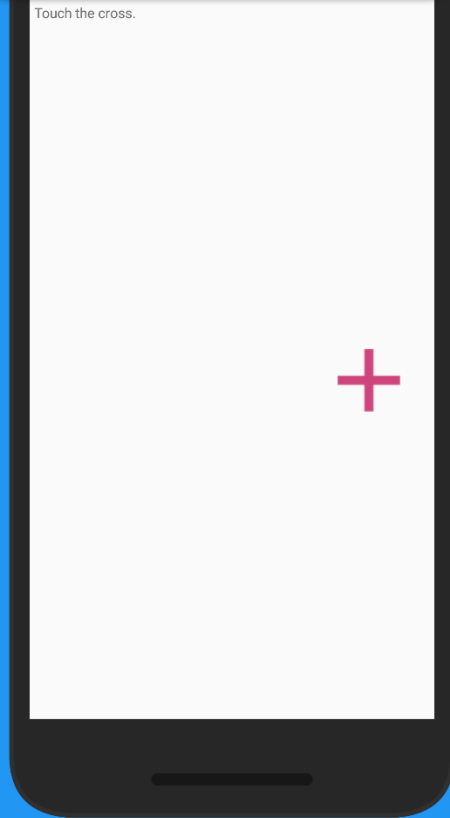


- Working study app
- Align crosses in a  $n \times m$  grid
- Users have to perform  $n*m$  touches
- Fitts Task inbetween
- Meanwhile record IMU

# Agenda



# Questions



- Can we take the S3 Mini away?
- Are  $n \times m$  touches sufficient? (with e.g. a  $10 \times 15$  grid)
- For writing the paper, which layout shall we use?