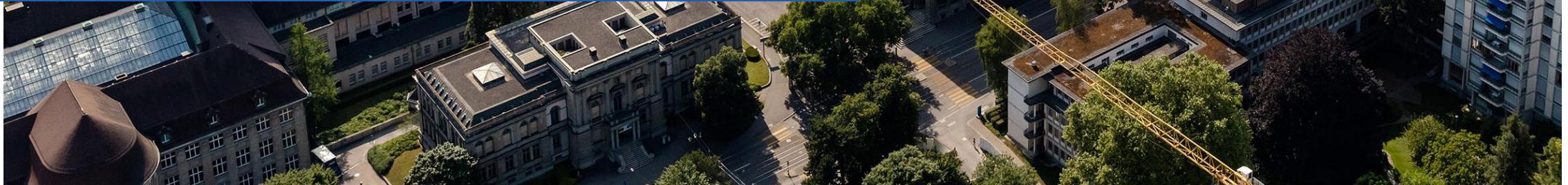




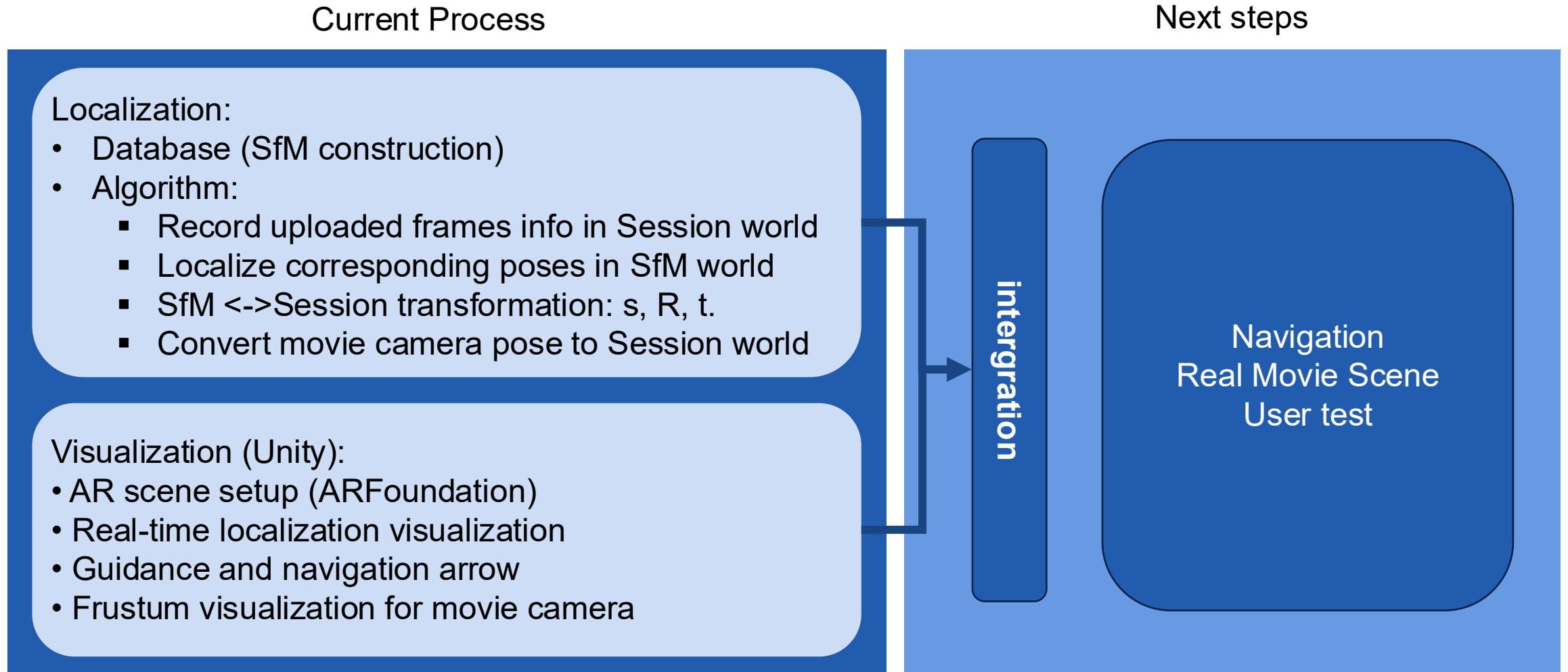
AR Journey Into Movies

Liwa Tang, Zhihao Cai,
Junyi Huang, Yiwei Pang

Supervisor: Xudong Jiang



Pipeline



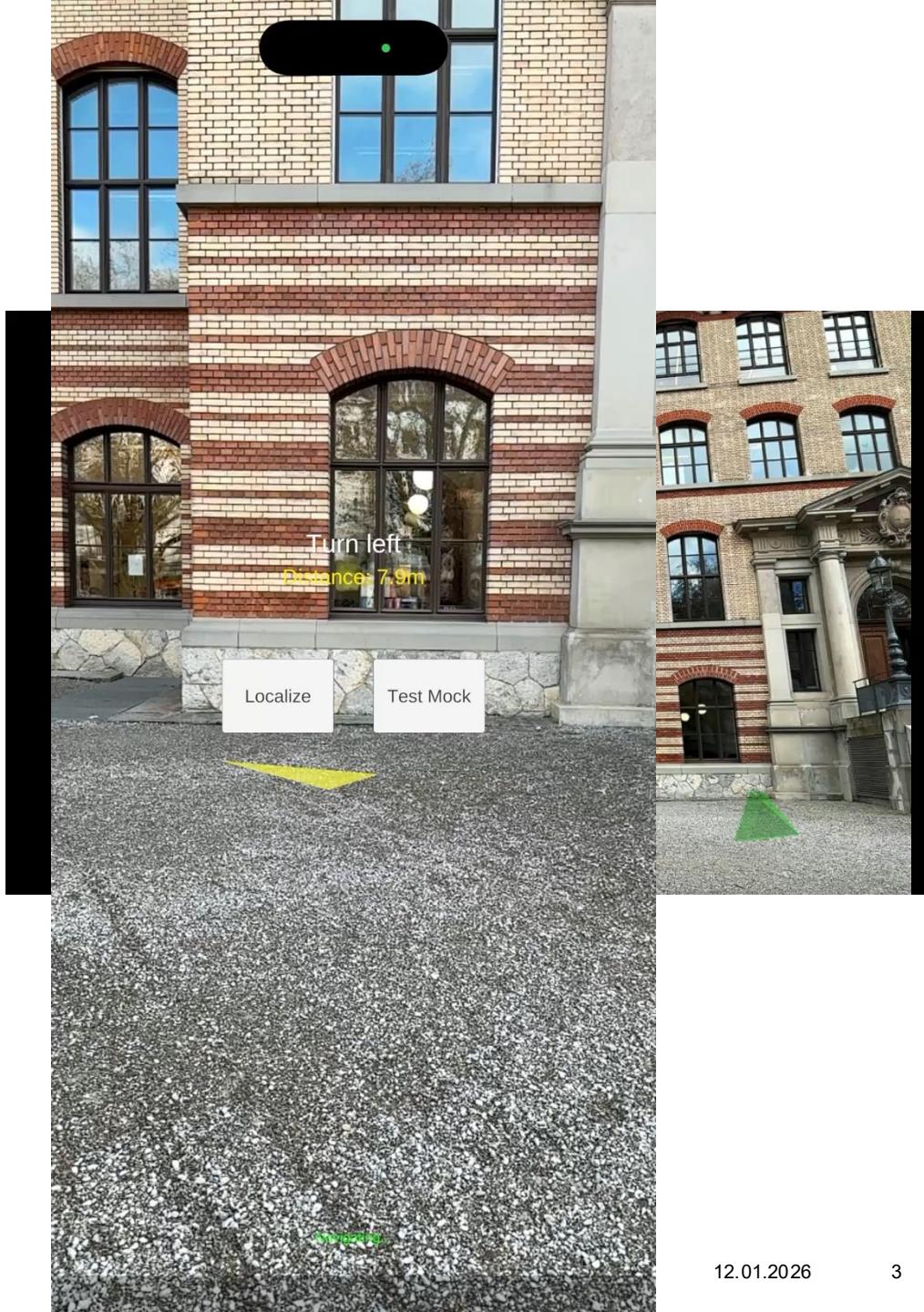
Present Results

Localization:

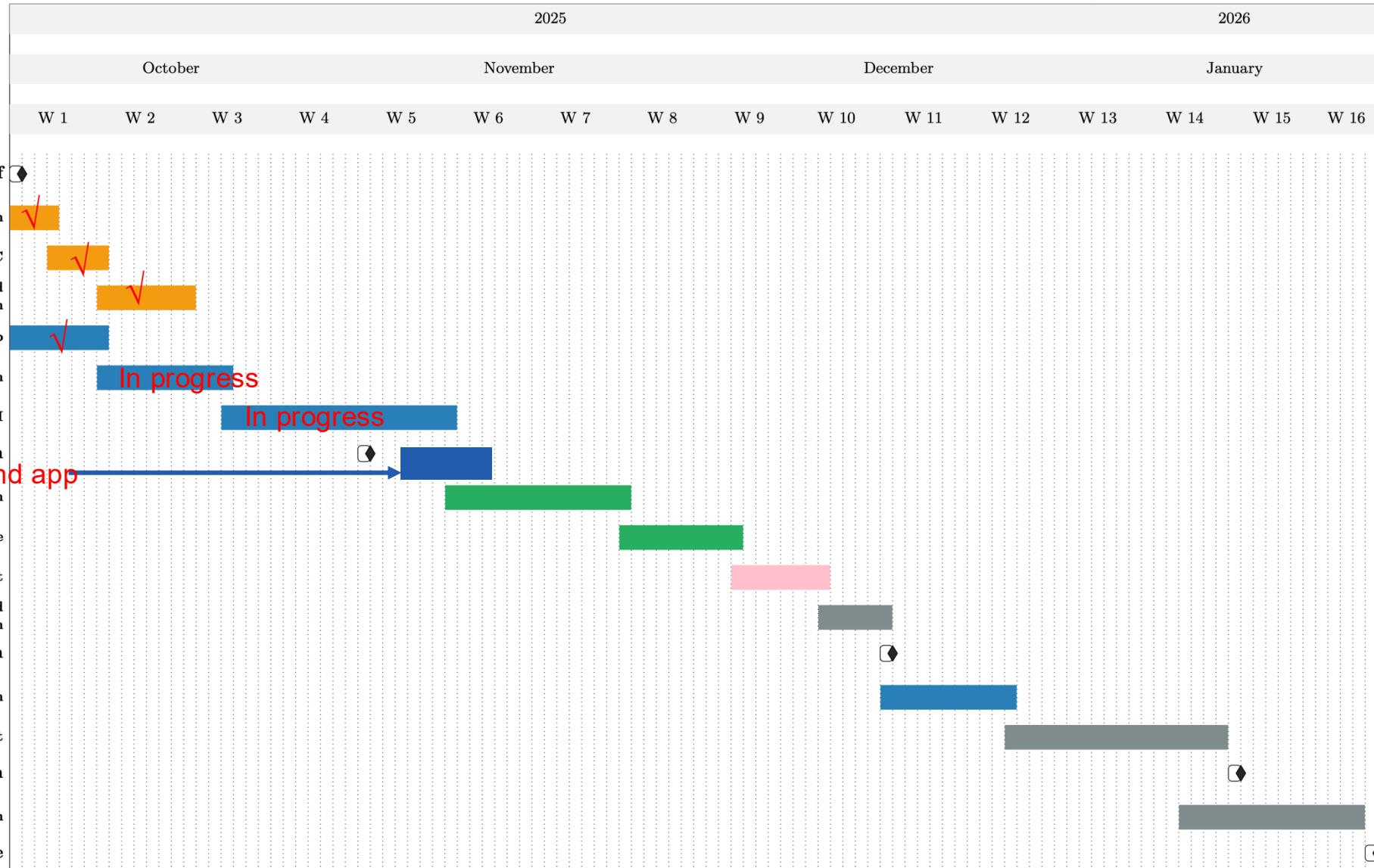
- Load: prepared SfM and a mocked movie frame.
- Import: frames captured from camera view in the appand corresponding poses in the AR session.
- Localize the poses of frames and perform coordinatestransformation.
- Output: mocked movie frame's poses in the ARsession.

Visualization (Unity):

- Initialize AR scene with **ARFoundation** (AR Session, XR Origin, Camera).
- Localizing target with a 3D frustum model.
- Provide interface showing distance, hints and status.
- Enable navigation visualization (arrow + text guidance).



Timeline



Q & A