Goals

- Provide guidance for everyday tasks on wearable device
- Cloudlets can provide low-latency, Cloud-like compute resources to augment the mobile device
- Explore a few well-defined examples of task assistance

Lego Construction Guide

- Assist in constructing 2D Lego models
- Step-by-step instructions based on current state
- Verbal + visual guidance to add, remove, or move a piece

Ping Pong Coach

- Suggest hit left or hit right based on opponent, ball positions
- Requires extremely fast response times
- Multiple opponent detection algorithms run in parallel for speed and accuracy

Drawing Instructor

- Modify existing sketching tutor app
- Replace digitizer input with Glass camera + custom CV code
- Guidance provided in Glass display

Context-based YouTube Tutorials

- Deliver context-relevant tutorial videos
  - 87+ million tutorial videos on YouTube
  - State-of-the-art context detector
  - E.g. making an omelet
  - Recommend video for same style omelet, with same tools
  - Coarse-grained guidance in form of displayed video