

## Tracking Bracelets vs. Privacy

### Outline

Devices that track users emerge. Some of such devices are bracelets. In this work we want to have a look at bracelets on the market and their capabilities. Our focus will be on possibilities to identify users by the data collected by the bracelets. Some bracelets we look at will go beyond the capabilities of classical fitness bracelets. We will use a concrete bracelet as use case: the myo (<https://www.myo.com/>). We will try to identify users based on the sensor data of the bracelet during calibration and regular operation.



### Possible Structure

- Analysis
  - o Analyze the problem domain.
  - o Identify relevant research questions that you will work on.
  - o Present relevant technology.
- Related work
  - o What do other projects do that answer your questions?
- Design
  - o Which components do you need?
  - o Which are options for the design? Why are your choices good?
- Implementation
  - o Relevant details such as frameworks used.
- Evaluation
  - o How well does it work?
    - Metrics!

### Requirements

Curiosity, Joy to work in a team, Knowledge in Java.  
Ability to write good code (including unit tests and documentation).

### Contact

If you are interested, please send an email briefly explaining why you think to be the right person for this thesis to:

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