



Typical agenda

1. Physical interface fundamentals

Designing around hardware constraints • Context • Mental models • Metaphors • Feedback • Interface organisation approaches • Distributed interfaces • Designing for others

2. Switches

What makes a good switch? • The 4 button use cases • Visual vs. haptic communication • Switch and dial taxonomy • 6+1 codings • Screens vs. buttons

3. Light

Designing with light: colour, brightness and gamma • Branded vs. functional lighting • Expression with a single pixel • 2d light grid design • Light strip opportunities •

4. Experience prototyping

Fidelity • Scale • Context • Ignoring the script • Minimal interface mental models • Prototyping with hardware

The workshop is only available in-person, as there is strong emphasis on hands-on experimentation and practical design exercises.

The format is suitable for a maximum of ~15 attendees, but can be adapted for larger groups if needed.

Who should attend?

This workshop is ideal for designers, engineers and product owners, working both in-house and in design/innovation agencies. Digital UX/UI and product designers especially will gain insights and practical techniques that apply to all aspects of interface development, physical or digital. No software or programming expertise is needed.

About George

George Cave is an interaction technologist and design engineer. As the founder of *Interaction Magic*, he collaborates with agencies and in-house design teams to invent and prototype the future of product interaction.

George is a visiting lecturer at the Copenhagen Institute of Interaction Design, TU Delft and FH Salzburg, and previous conference speaker at IXDA Interaction Week, TEDx, FITC and Ars Electronica.



To book this workshop for your team, contact workshops@interactionmagic.com