







TEAM

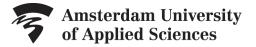




RIEMER VAN ROZEN



domain-specific languages automated game design live programming







ANDERS BOUWER



intelligent tutoring systems automated game design







PETER DE JONG



game development card games problem owner



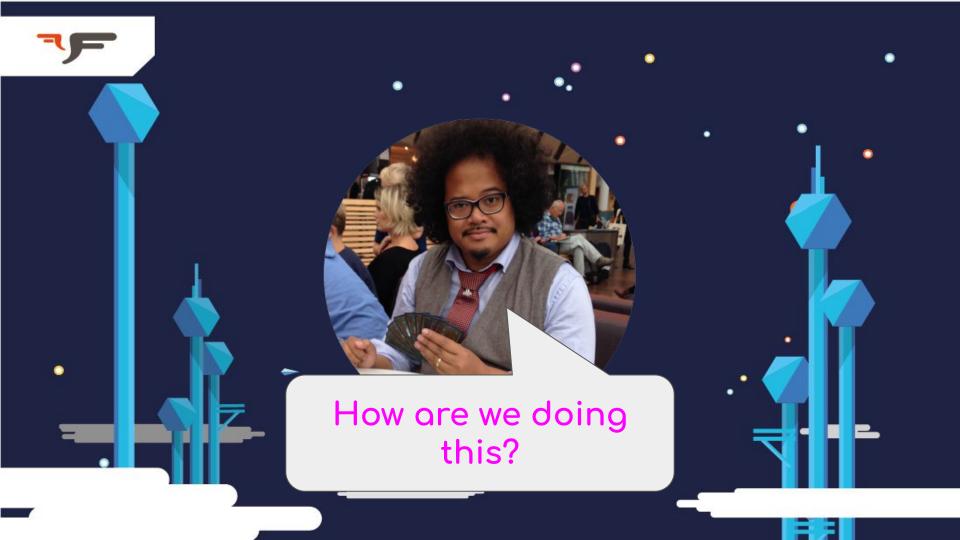


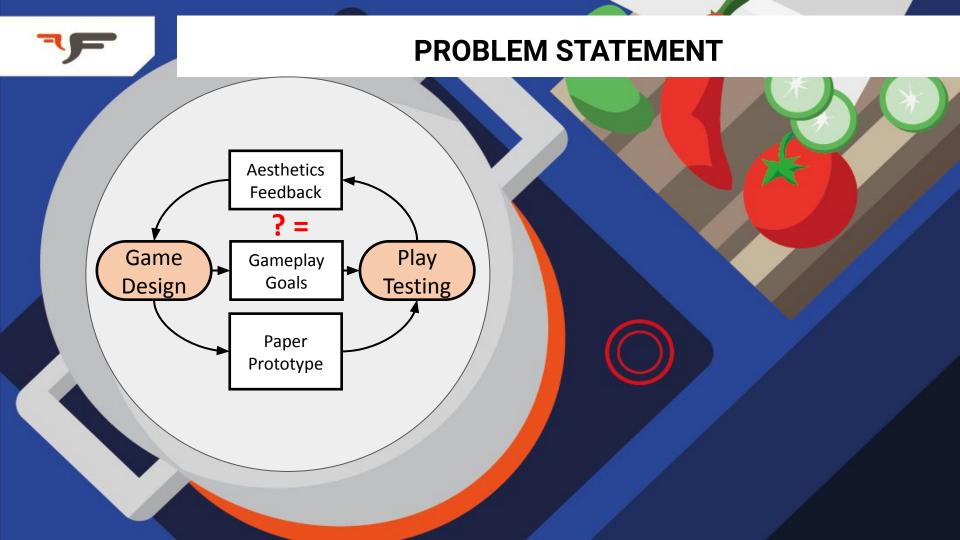
KAREL MILLENAAR



game design (serious) games Owner of problems

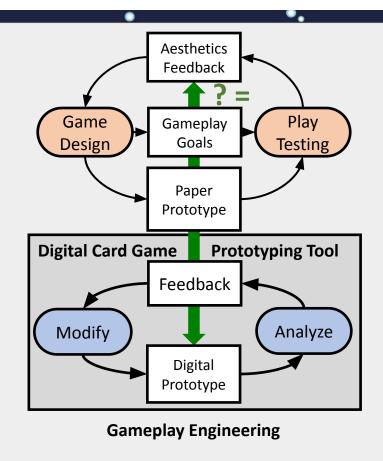




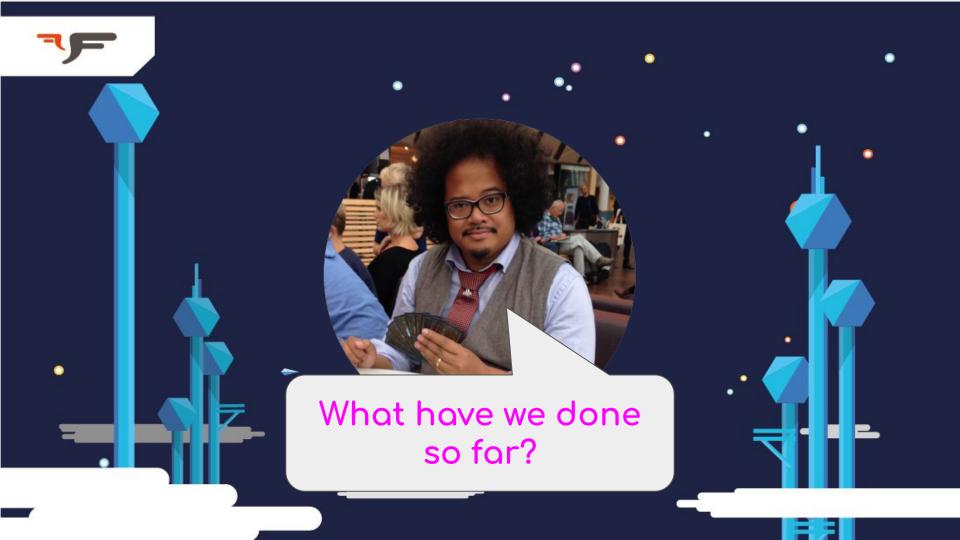


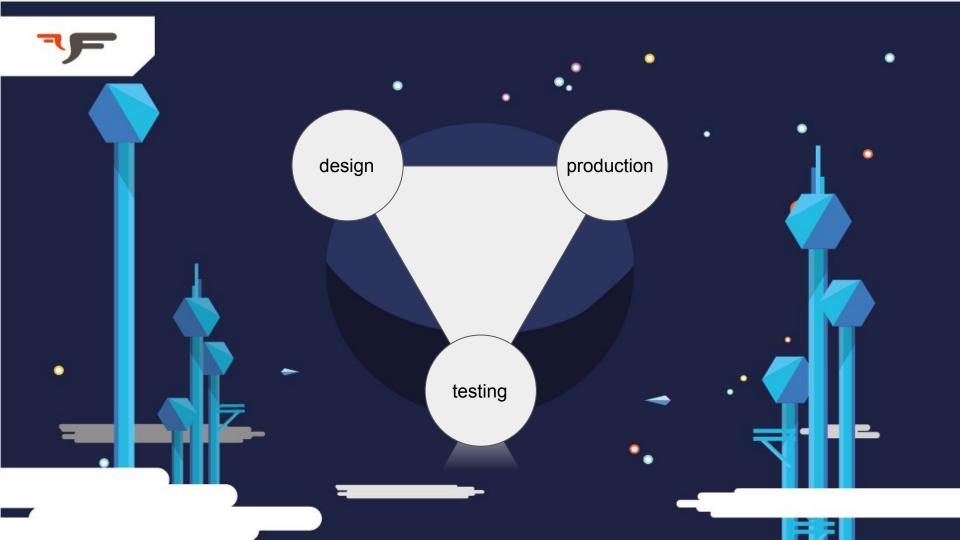
SOLUTION SPACE MeDeA Mechanics Design Assistant **Graph Options** income: bonus Zoom: 88 Gap Size: 40 ☐ Hide Names Show Pattern Select Pattern: Pattern: Acquisition Acquisition Controls costMedkit: 10 Energy cost Lograde: 10 * bonus * b Minimum Match Size: 5 Reset Analyze **Restrict Decisions** 3 of 3 Decisions: Displayed: 1 of 3 Property getUpgrade: 1 Acquire = buyShi Benefit Acquire Cost intent: Acquisition: Converter buyShield costs 10 + shield resources from gold as spe and yields 10 resources in shield as specifer Previous Next use when: Apply Acquisition for introducing a Apply

APPROACH

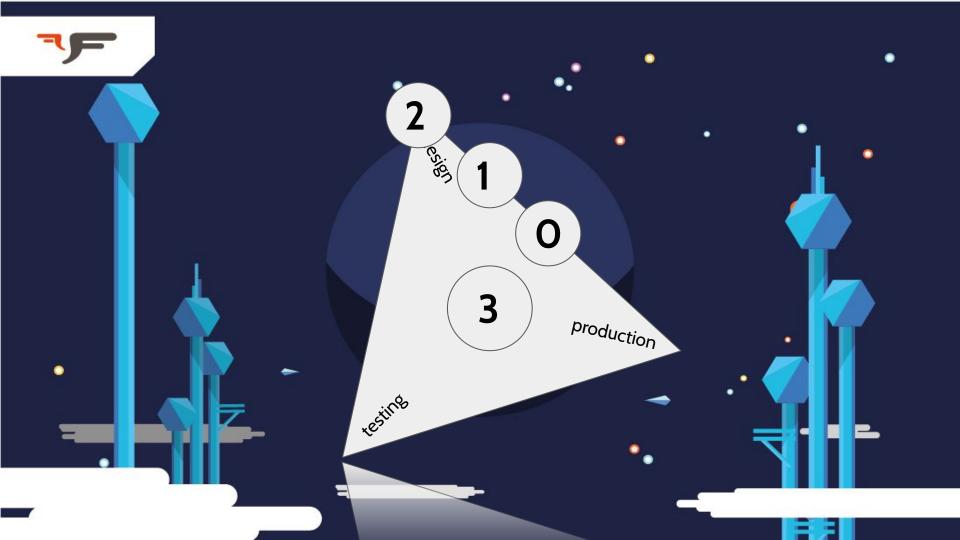








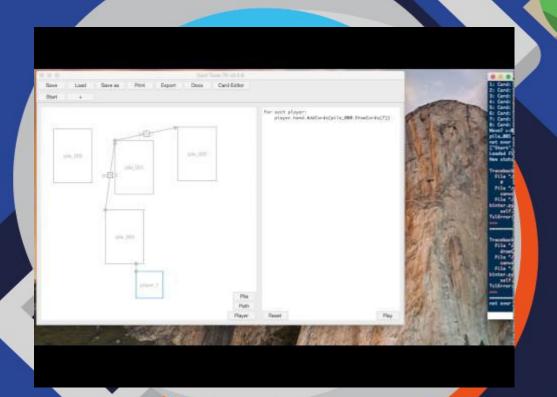








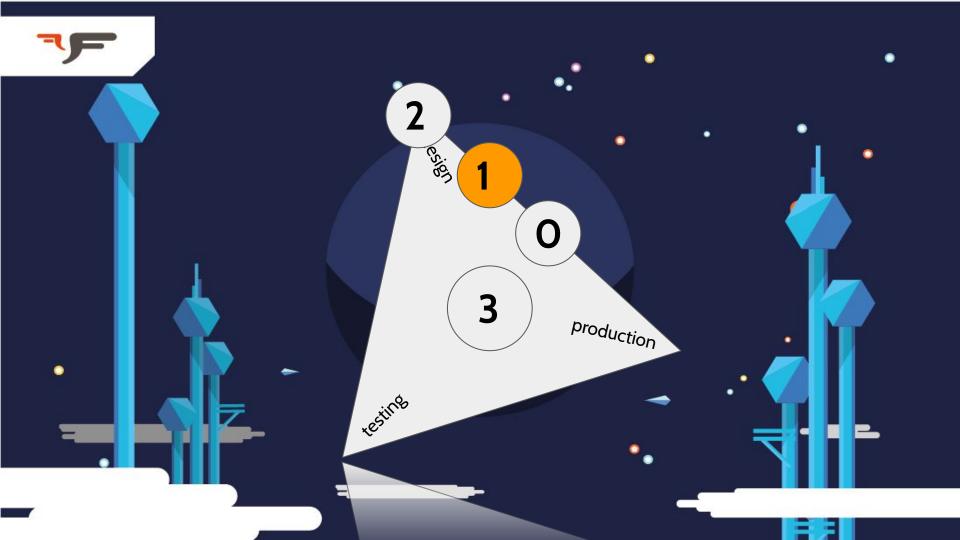
0. PROOF OF CONCEPT





Rutger van Teutem

How can we formalize card games in a digital tool?





1. DESIGN TOOL







2. DESIGN LANGUAGE

Researching Hanabi with CardScript

Analysing the rules of collaborative card games

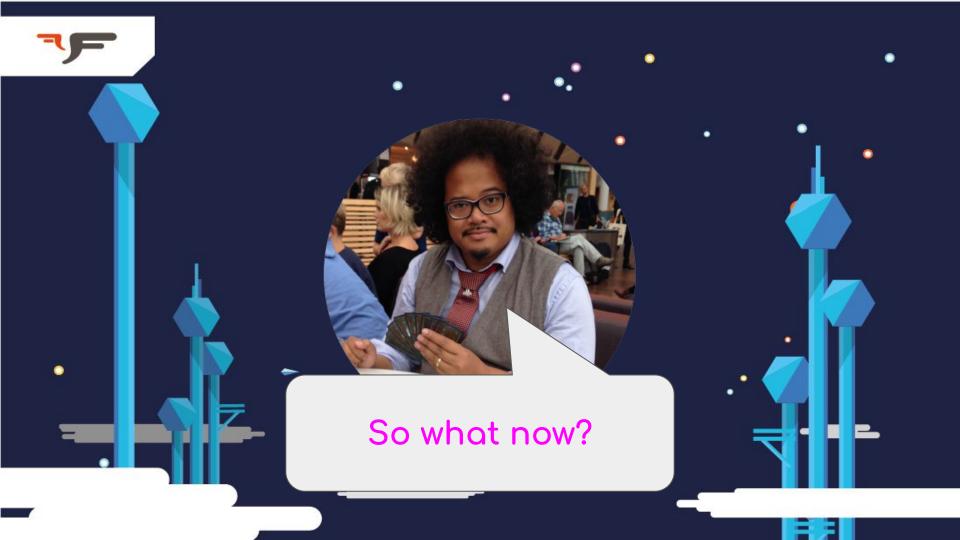
Andrea van den Hooff
Andrea.vandenhooff@student.uva.nl

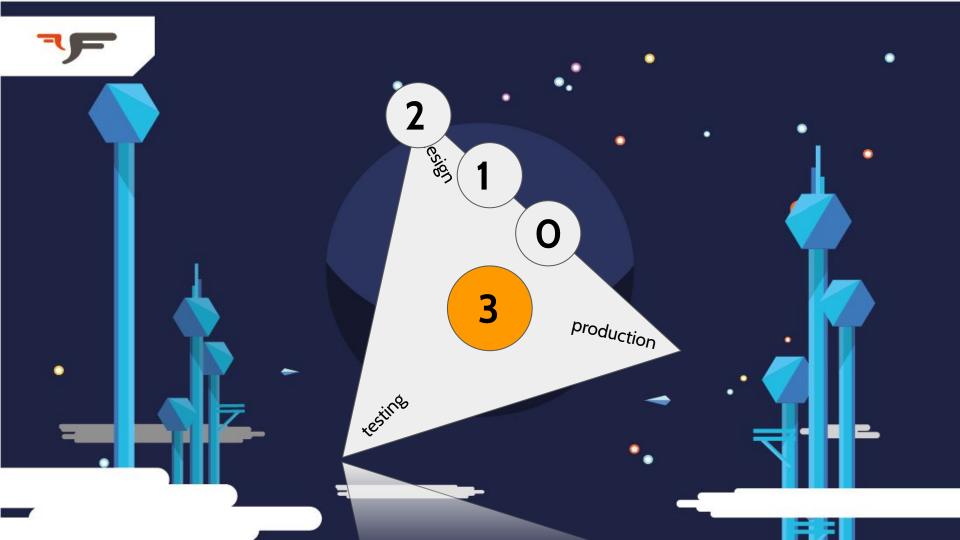
14 December 2019, 44 pages



Andrea van den Hooff

How can a card game design language help design better games, collaborative games in particular?







3. Card Game Design for Spellbenders





Midas Buitink

Which tool features could improve the card game design process for Codeglue?



The future

- Implementation of a version of the tool in real design processes
- Focus on quick wins in the production of card game prototypes and testing.
- Further formalizing card games into a digital space
- Design automation tools to help with design.

