

Interaction Designer specializing in technology-driven physical gameplay for immersive theme park experiences.

Client Projects

Schell Games, Game Designer

June 2013- Present

UNANNOUNCED INTERACTIVE EXPERIENCE

WDI R&D, Glendale CA

Design Director for guest flow, interaction design, and script iteration on VR experience.

- Iterated on Show Script and implementation into Unity engine.
- Coordinated management and provided creative direction for animation and audio.
- Playtested experience with guests, collected feedback, and disseminated results to team.
- On-site installation, testing, and iteration.
- UI design & implementation for interactive in-game screens.

UNANNOUNCED INTERACTIVE EXPERIENCE

Universal Creative, Orlando FL

Design Director for overall gameplay on multiple large-scale guest interactions.

- Consulting on interaction design, guest progression, puzzle design, and technology integration.
- Communicating with show/set designers and engineers to support technical viability and guest engagement.
- Initial show writing and beats for multi-guest interactive gameplay.

S.E.C.R.E.T. AGENT EXPERIENCE

Children's Museum of Houston, Houston TX

Design Director for puzzle experience integrating digital gameplay, physical interactives, and guest tracking.

- Designed & prototyped 15+ different physical and digital interfaces, including guest interactions and puzzle design.
- Wrote narrative for six missions, including overall show concept, dialogue, and companion booklet content.
- Conducted guest playtesting remotely and on-site for feedback and iteration.
- Coordinated with external vendors to design and fabricate interactive elements to be installed at CMH.
- Installed experience in museum on-site and trained staff.

GUEST-FACING MOBILE APP

Pittsburgh Zoo, Pittsburgh PA

Design Director for guest-facing mobile app for enhancing the Pittsburgh Zoo Experience.

- User Experience Design for guest-facing map, digital signage, quests, badge collection, and staff-facing CMS.
- Designed prototype location-based quests for initial design phase and playtested on-site.
- Researched and wrote over 100 signage entries for animals, facilities, plants, and other notable Zoo POIs.

DANIEL TIGER'S NEIGHBORHOOD REFURBISHMENT

Idlewild & SoakZone, Ligonier PA

Project manager for re-theme and re-furbishment of classic trolley ride

- Contributed to script and animatronic design for re-theme ride to Daniel Tiger's Neighborhood property.
- Coordinated asset production, vendors, fabrication, and on-site refurbishment over 10 months.

Education

CARNEGIE MELLON UNIVERSITY, Pittsburgh PA

May 2013

Masters of Entertainment Technology

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge MA

June 2011

Bachelor of Science in Art and Design (Architecture)

Minor in Comparative Media Studies

Skills

Game & Attraction Development

- Interactive & Puzzle Design
- Guest Playtesting
- Script Writing
- Vendor Coordination
- Virtual Reality Experience Design

Processes & Tools

- Team Creative Workshops
- Adobe Creative Suite
- AutoCAD/SketchUp
- Unity 3D
- Stage Management

Prototyping

- Scale Mockups for Playtesting
- 3D Printing & Laser Cutting
- Workshop Proficiency
- Basic Electronics/Arduino