Project Porta

The Technology and Innovation

- Moverio bt-200
- Vuforia
- Synthesis of physical objects and digital content
- Paper Peripherals
- Real time tracking
- Virtual comic books

Community/Industry Impact and Value

- Demonstration of paper peripherals, with virtual buttons
- Utilizing the physical world to augment digital content into our world
- Physical comics with motion graphics

Community/Industry Engagement

- Optis Creative
- College For creative studies

Team Composition

- Michael Simons
- Mary Desjarlais
- Mahmoud Eraqi
- Horacio Hall (Illustration)
- Scott Kreutzkamp (Entertainment Arts)
- Khayyam Hashmi (Faculty Advisor)
- Sam Bryfczynski (Faculty Advisor)

Further Research and Development

- Provide a new user interface that utilizes leap motion and ultrasound for an immersive haptic experience, one surrounding oneself with augmented reality and paper peripherals to see and feel digital objects around them.

Learning Experiences

- C#
- Vuforia SDK
- Augmented Reality
- Unity
- Prototyping