

Group members and contribution

Jasmine -- 2D & 3D Assets, CSS, AR Functionality

Yuchen -- 2D & 3D Assets

Ian -- HTML, JS, Setting up the 'gh-pages'

Christos -- AR Functionality

Readme

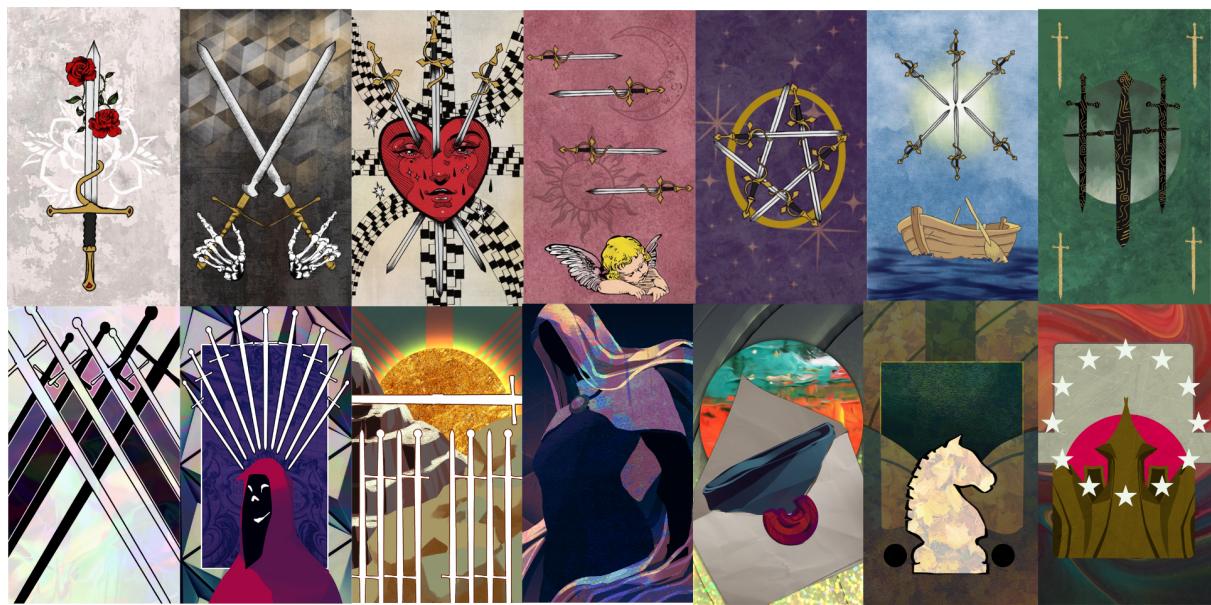
Our project is a tarot card drawing simulator using a combination of Javascript and AR using markers. The project can also be used without the simulator with the use of physical markers in the real world. The main website uses Javascript code to simulate drawing three tarot cards from a deck of swords. The same two cards cannot be drawn twice, and each card has a 50/50 chance of being reversed, which means it will have the opposite meaning. Clicking on a drawn card will enlarge it, display the title of the card and its description. There's a button on the screen that launches the AR program using the camera, so it's recommended to use a device with a camera for this page. When scanning any markers registered with our program, a 3d model will appear on top of it corresponding to the tarot card it represents. If the card is reversed, the model will be upside down as well. This means you can use your camera device to scan the markers on the site we designed, or any of our markers in the real world such as the ones scattered around YorkU's campus.

Statement

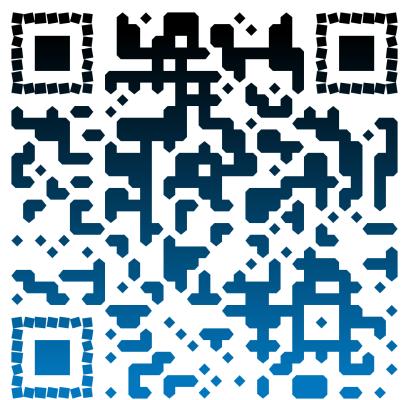
Arcane Tarot was designed as an interactive experience that translates traditional card reading into a unique experience. Alongside studying the artstyle of tarot—which deploys heavy symbolic imagery and texture—we aimed to expand how the user interacts with tarot cards while paying deep homage to its traditional roots. As such, many of the cards in their 3D models are more than just flat rectangles with painted faces, namely the ones that include swords or other props onto the card, which



makes for a highly dynamic model. An example of this is the Queen Of Swords; on her card she has a sword pointed diagonally to follow her movement and a crown is placed on her head that extends out of the card.



Additionally, to expand upon the tarot reading medium, user interaction between the cards was added. Upon scanning the marker, both the 3D card and a text bubble will appear that foretells the fortune of that specific card. This opens up tarot reading to all kinds of audiences. It enables users who are not experienced to learn the meaning of cards, in both its up right and downwards facing position, and pays homage to tarot adorers by presenting a fresh new spin on tarot reading



Demo

<https://youtu.be/tfLNgJgYewY>

Virtual Sculpture At York Campus:





