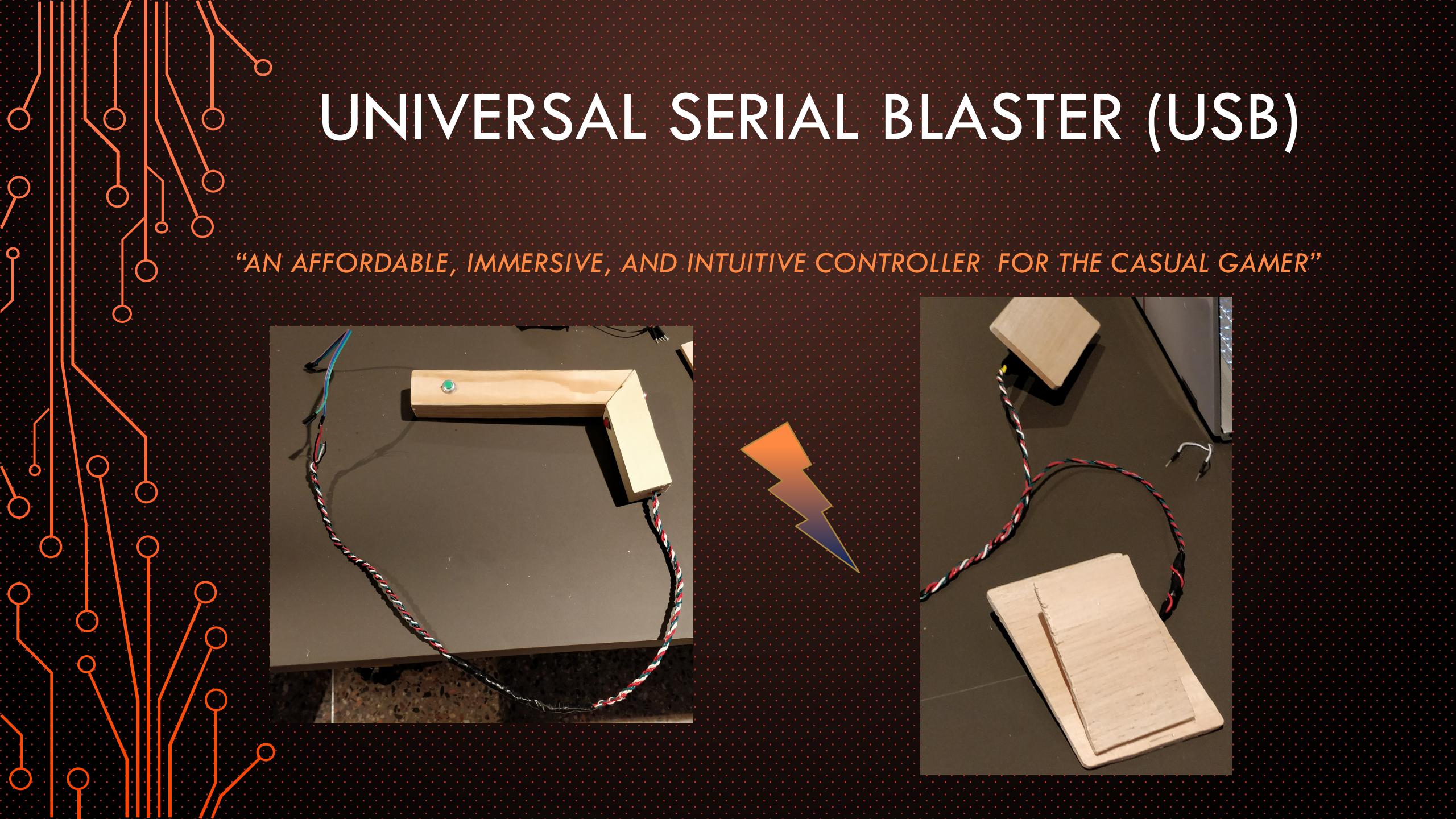




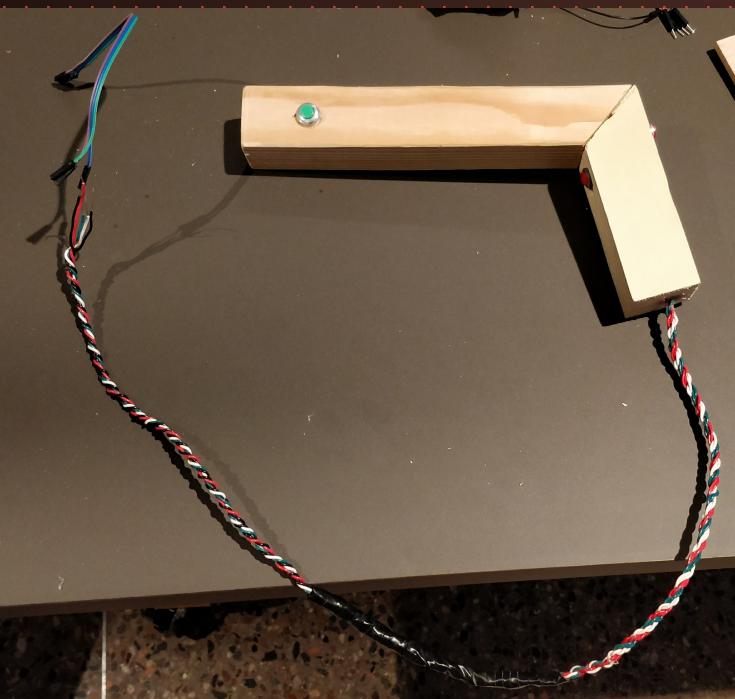
The Team that Spent Forty Minutes Picking this Name

1. MOHIT DOSHI
2. ALEX VERMILLION
3. RAHULRAJAN KARTHIKEYAN
4. TARUN ANANDANPILLAI



UNIVERSAL SERIAL BLASTER (USB)

"AN AFFORDABLE, IMMERSIVE, AND INTUITIVE CONTROLLER FOR THE CASUAL GAMER"



INSPIRATION

First Person Shooter (FPS) games, such as Call of Duty, Battlefield, Counter Strike, Overwatch – keeping in mind the fantasy part of the ‘Fantasy and Fiction’ theme

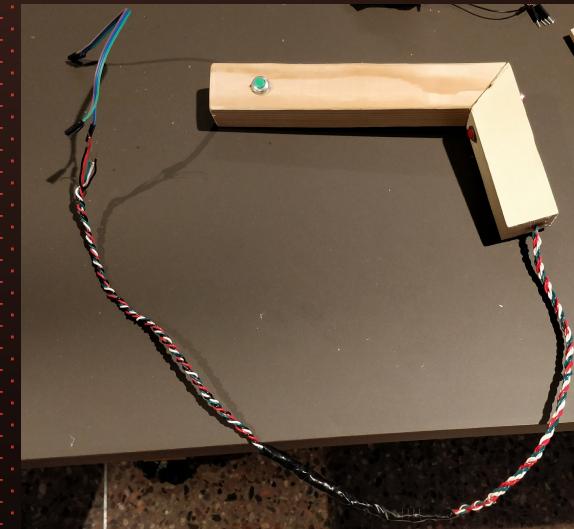


A scene from Overwatch



PRODUCT DESCRIPTION

1. A controller that is modelled after a gun and possesses buttons that perform 'reload', 'jump', 'trigger' functions and a 'special function' button.
2. A foot pad that uses an analog controller to move the character onscreen
3. A 'jump pad' that can initiate a 'jump' action in the character onscreen.



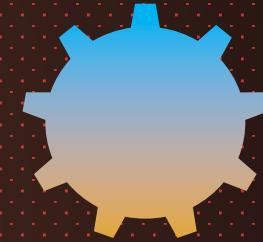
THE NEED FOR OUR PRODUCT

Existing controllers are:

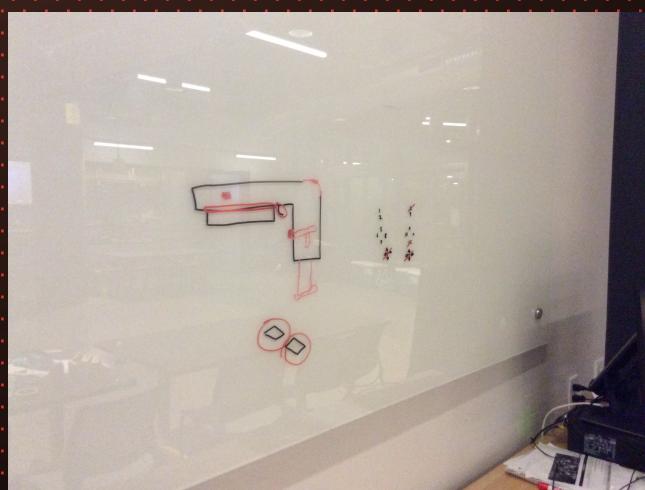
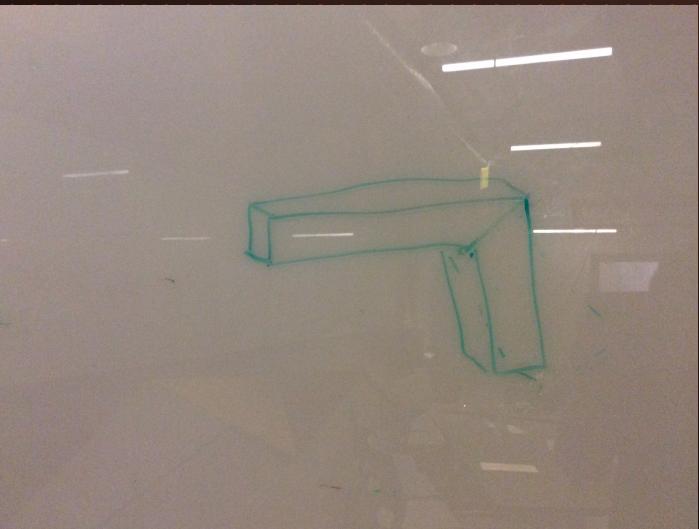
- Expensive
- Limited edition or game specific controllers are incompatible with newer consoles or other games
- Require excessive space to set up (Eg: VR Room scale setups)
- Have complicated commands to perform basic in-game tasks

- Universal gun-shaped tool for gamers
- To occupy a role in filling the increasing demand for immersive experiences in the modern world
- Simplistic and intuitive commands
- Cross Platform compatibility

INITIAL DESIGN

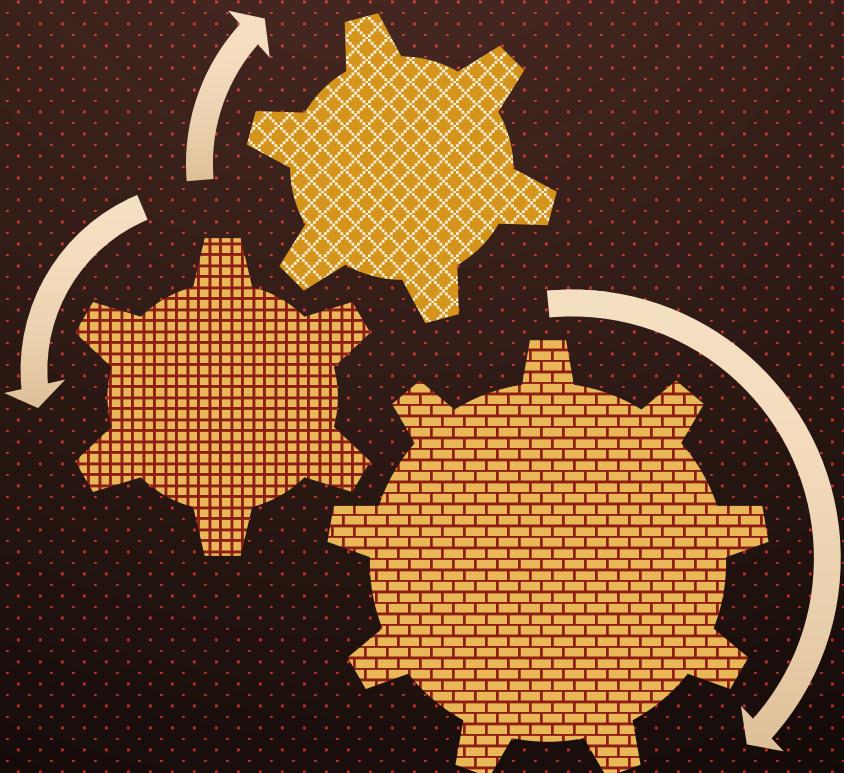


- Prototypes drawn up for shotgun designs, pistol designs
- Discussions regarding relevant buttons
- Talks about creating a wooden body encasing the buttons and wires
- Ideas for wooden paddle to navigate player
- Development of a 'jump pad'

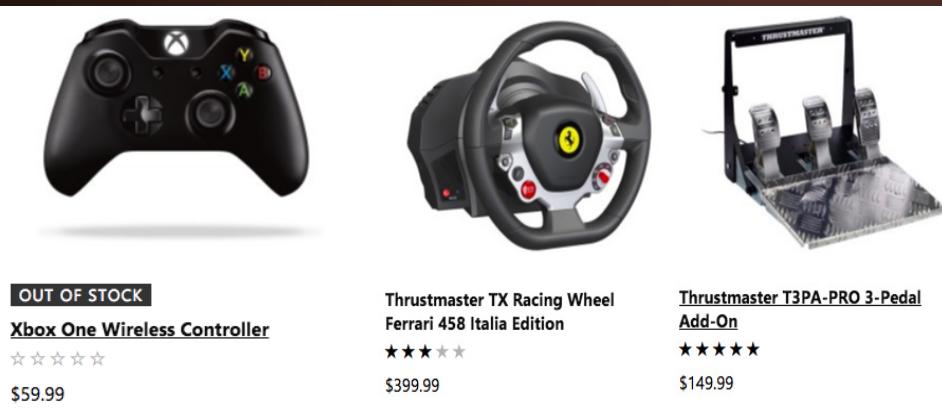




WORKING



AFFORDABILITY



Item	Price
Wood fence posts (20 pieces/post)	\$1.30
Arduino Uno (x1)	\$20
Miscellaneous Electronics	~\$4.20
TOTAL	\$25.50

The Makerbot prints at a cost of 5.3 cents per gram. 3D printing, while time-consuming would increase costs by \$3.70



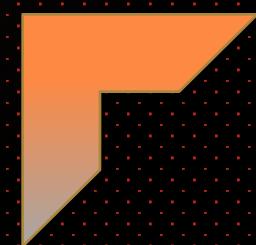
PRODUCT MARKET

- The Gaming Industry is expected to generate \$108.9 billion in global revenue in 2017 alone, of which the United States commands \$18.4 billion. Controllers too share a significant part of this multi-billion dollar industry.
- We shall specifically target the gaming controller market which
- Chief competitors include Microsoft's Xbox, Sony's Playstation who have partnered with gaming studios to essentially monopolize the gaming controller industry
- From independent research, we have found that our product is an excellent substitute for conventional controllers for consoles in most arcade games, which possess minimal player actions.



THE FUTURE



- Implementing wireless control via Bluetooth feature of Arduino
 - Using more durable, cheaper materials for the construction of the controller's body
 - Enacting gyroscopic mechanisms to achieve more realistic gameplay, and having the sensitivity of the gyroscope customized by the user
 - Incorporation of LED strips indicating player information such as Health, Energy, or XP.
- 



devils **invent**