

## Ideas for Senior Project

### AR

For AR we can use Apple ARKit or Google ARCore and just our phones

<https://developer.apple.com/arkit/>

<https://developers.google.com/ar/>

1. Alternate reality maps for use in cities to get around new places easier
  - a. example



2. Scan an object with phone then be able to place that object somewhere else using alternate reality
  - a. Could be used for seeing if furniture, a painting, etc would look good in a different room
3. Level and tape measurer for measuring things in alternate reality.
4. Flight tracker point screen into air and see all the flights that are overhead at that time and destination/ type of airplane.
5. Workout app that checks your form as you lift.

### VR

1. Game that helps kids with autism/mental health with shapes

\*I can't think of many VR projects that somebody else would not have already done or is planning on doing.

## Brainstorming

<http://appleinsider.com/articles/16/11/08/apple-patents-augmented-reality-mapping-system-for-i-phone>

As published by the U.S. Patent and Trademark Office, Apple's U.S. Patent [No. 9,488,488](#) for "Augmented reality maps"

<http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=%2Fnetacgi%2FPTO%2Fsrchnum.htm&r=1&f=G&l=50&s1=9488488.PN.&OS=PN/9488488&RS=PN/9488488>

[https://www.ted.com/talks/blaise\\_aguera#t-399944](https://www.ted.com/talks/blaise_aguera#t-399944)

<https://thinkmobiles.com/blog/best-ar-sdk-review/>