1. Project number: S19-10 (4)
2. Project title (as will appear on the poster): Naviglass Computer Interface Device
3. Team members:
   - William He (PoC) - Coding
   - Joe Romero - Mechanical
   - Yangmoon Park - Electrical
   - Yeongeun Kwon - Coding
4. Adviser(s) name(s): Professor Grigore Burdea
5. Up to 5 keywords that will help to classify the project scope:
   Augmented Reality, Image Recognition, Raspberry Pi, Java, Android Application
6. Project abstract (up to 250 words) to be shared with judges:
   The goal of Naviglass is to help people navigate roads. While there are other devices that already do this, Naviglass hopes to be more intuitive to use. It will do so by highlighting roads, landmarks, and directions in the user's field of view, the way the user sees them, rather than simply displaying instructions like "turn right here". Naviglass will be a pair of wearable glasses controlled with a smartphone app that will use its location and map data from the phone to acquire a list of nearby roads, as well as landmarks. It will then utilize computer vision to identify any landmarks in the user's field of view. Once these are identified, Naviglass will display the identified landmarks in front of one eye, and have a normal lens in the other, such that the user can see both reality and the instructions together. It will utilize a Raspberry Pi for its calculations, the code will be written in Java, C++, and Raspbian, and the app will be made for Android phones.