

The Bigger Picture

- **Specifications.** Identify at least one realistic challenge and a solution.
- **Description.** We saw in this activity that superdense coding can increase the efficiency of secure communication built on top of Bell pairs. This can allow for all of the bike stations to communicate more efficiently with the rest of the bike sharing network. However, as you may have already seen in the **Building a Channel** activity, this sort of communication relies on a very specialized network that utilizes quantum teleportation. Unsurprisingly, such a network would be difficult and costly to build. Given this context, can you think of any negative consequences this technology might have on society? How might we navigate these challenges?
- **Submission.** A short paragraph.