



100% Guaranteed Autonomous
Check-in | Robo-Bellhop

Project Goals



- ▶ Easy, accessible to all. Any smartphone with NFC will do the job, regardless of price.
- ▶ Completely streamlined hotel experience, focused on the comfort and needs of the consumer.
- ▶ No check-in lines, no Bellhops.
- ▶ All functions integrated in one network infrastructure utilizing an app as a user-interface interface.

Autonomous Check In

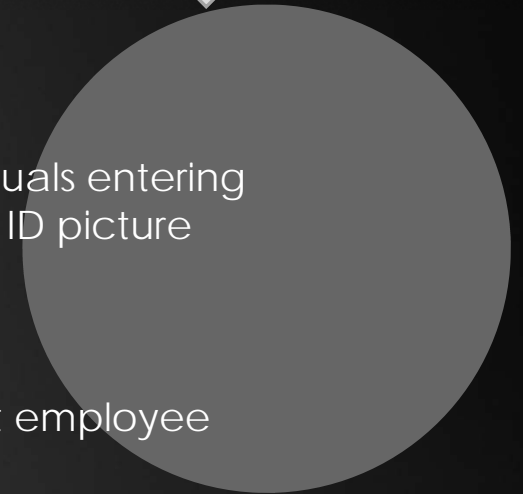
▶ **Intel RealSense:**

- ▶ Will be used to automatically recognize the faces of individuals entering the hotel, cross compare recognized faces with submitted ID picture (on app), all done with a natural walk-in.

▶ **Assist(An Integrated App):**

- ▶ The hotel app will be able to automatically ping the closest employee available for service when requested by consumer.
- ▶ It will also include in-app request based features, replacing the need for telephone based requests, and utilize "Ok Google".

- ▶ **NFC:** Used to activate hotel smartphone application once consumer enters the hotel. Also can be used to unlock/lock rooms, etc.



Robo-Bellhop

▶ **Authenticate:**

- ▶ Intel RealSense, NFC
- ▶ Functions as a failsafe to walk in check-in, using 2-Level quick authentication.

▶ **Assist(An Integrated App):**

- ▶ Carry luggage to room, and provide other essential functions (weather, directions, things that must be known, anything hotel sees fit).

▶ **Converse:**

- ▶ Answer questions about hotel while waking guest to room, etc. (Alexa)



Team Members

- ▶ Moataz Dahabra
- ▶ Jacob Varley
- ▶ Iretiayo Akinola
- ▶ Jae Lee
- ▶ Sely Lee
- ▶ Colin Ward
- ▶ Eadom Desalene

