THE GROCERY MATE

- Autonomous following cart
- Adjustable height
THE CHALLENGE

- 1.6 million wheelchair users in the United States
  - They all have to eat

- Grocery shopping in a wheelchair is difficult
  - Transport
  - Quantity
  - Baskets

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USER NEED

- Increased load capacity
- Improved ergonomics
ERGONOMICS

- Reach
  - Height
  - Depth
  - Width
- Visibility
- Safety
TAKEAWAYS

- Orientation with respect to the user
  - Loading
  - Checkout
  - Turning

- Need for autonomy
  - Manual override