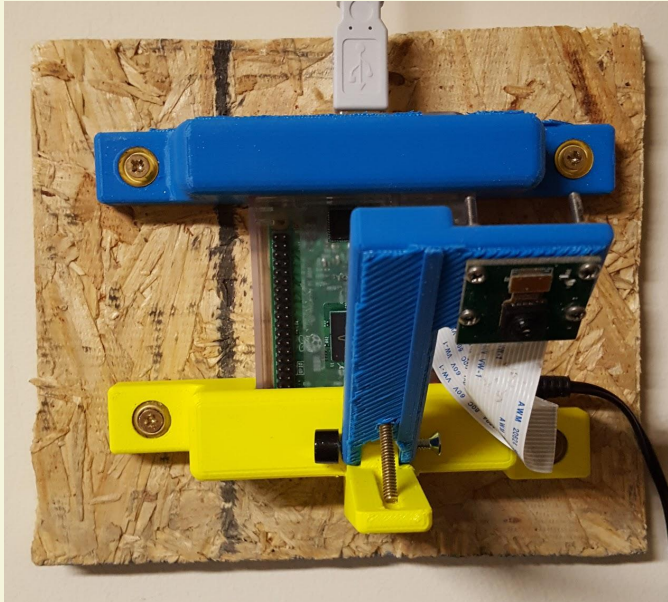
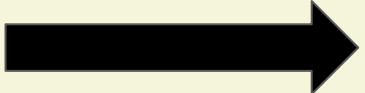


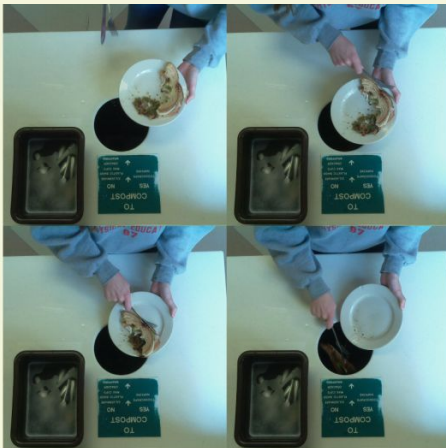
# Smiley fry — Your plate's on camera!



*Scrape your plate, wait 4 seconds,  
then check the screen!* 

What is this?

- It's the *Garbage Grader*, an engineering capstone project by Austin Engle and Ben Stutzman.



Grade: **C**

What does it do?

- It displays a grade for each plate dumped into this compost bin based on the quantity of food wasted.

Is Big Brother watching me?

- No, we're not taking pictures of your face or trying to identify you in any way. If you really want to make your donation anonymous, use the other bin.

If you have any questions or concerns, feel free to contact either of us at:

[austin.engle@emu.edu](mailto:austin.engle@emu.edu) or [ben.stutzman@emu.edu](mailto:ben.stutzman@emu.edu)

# What does my grade mean?

- You get a letter grade based on how wasteful our artificial intelligence model thinks your plate was.
  - **A** is the best (no unnecessary waste) and **F** is the worst (way too much waste).
- Our model counts all avoidable waste it sees in the picture, including leftover drinks and excess napkins.
- It's *not* perfect, but about 93% of the grades it gives are within one letter of what a human would say—and we're working on improving it.
- To improve your grade next time:

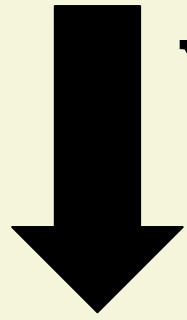
**Clean your plate really well**

or

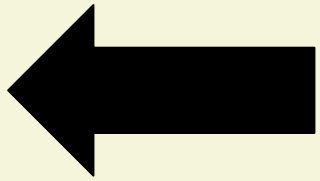
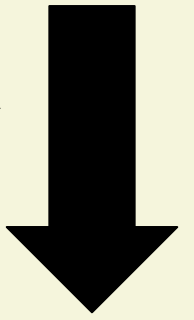
**Consider taking less food!**

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**Your plate will only be graded if it  
is scraped into this compost bin.**



**Your plate will only be graded if it  
is scraped into the bin on the left.**