

**Project Title:** Development of a Waste Data Collection App

**Client:** Lauren Poole, Sustainability Office

**Preferred Team Size:** 3-4 students

**Work Location:** None specified

**NDA Required?** No

**Project Summary**

The overall purpose of this project is to streamline waste data collection efforts for the campus sustainability reports. I read in an AASHE forum a suggestion to leverage the skills of our computer science and communications students to develop a prototype system or app that can help to automate waste data collection and input. It could include AI tools that extract information from invoices, emails, and receipts or a centralized dashboard that vendors can update directly. This could also be used to raise awareness among students to better understand personal contribution to waste generation and how we are all responsible for the waste we generate and how resource recovery is essential.

**Deliverables:** App development, dashboard, or system. If students don't have time to develop the app, perhaps they could propose a system for my use.

**Resources:**

I can show students how I collect waste data and some possible dashboards like powerBI where you upload data.