



## **Team 23 - BirdWatch**

**Members: Zach Carlson, Yi Wei Chen, Joe Paller, Gordon Wallace, Rachel Yang**

**Client: Ned Utzig**

**Bird populations have been rapidly declining since 1970, and conservation societies such as Massachusetts Audubon Society urgently needs to track bird numbers more than ever. In order to help tackle this issue, our team has designed the BirdWatch, an automated bird observatory. The main technical components of BirdWatch are a camera that will automatically take pictures of birds that land at a bird feeder, an image processing algorithm that will identify the bird species, and a user interface that will provide meaningful data to researchers. Using our devices, researchers will be able to quickly collect large, accurate datasets as well as saving time and manual labor.**