

Problem



- For **satellite launches**, it is critical that employees are focused when monitoring data
- **70%** of tech employees sleep on the job

Solution



- Drowsiness Detector** is:
- A **desktop program** that uses facial recognition to alert drowsy employees
 - An **Android app** that enables managers to view workers' profiles

Architecture

- OpenCV used for real-time facial recognition
- Manager uses app to monitor drowsy employees

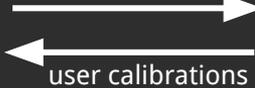
Mobile App



Detector



detections



user calibrations

Firebase



user profiles



Technologies Employed



COMPUTER SCIENCE
UC SANTA BARBARA



Firebase



Python



GitHub



Trello



Android Studio



OpenCV

Additional thanks to:
Chandra **Krintz**
Tevfik **Bultan**
Steve **Bako**