• Motivation
  – Happy Visitor = $$$
  – Common pain-point = finding unsatisfied customers
  – Staff unwilling, expensive, unreliable to perform such service

• Solution
  – Autonomous Emotion Detection Robot
  – Mount a realsense on an Ollobot
  – Perform emotion recognition on visitors
  – Autonomously explore, report, engage

• Steps
  • Develop bluetooth communication between rPi3 and Android phone
  • Develop openCV to detect negative emotions on faces
  • Develop engagement and reporting algorithm based on emotion data from Realsense
  • Develop exploration algorithm to find visitors (and not crash)

• Team Members
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