Alpha Presentation
Integration & Testing Suite for ADAS Sensors

The Capstone Experience
Team Bosch

Jana Holderbaugh
Jesse McClay
Evan Martin
Wei Li
Nick Grenn

Department of Computer Science and Engineering
Michigan State University
Fall 2019
Project Overview

• Bosch developers are working on code for their Advanced Driver Assistance System radars
• We are building a testing suite that will automate flashing of new hexcode onto radars
• Certain hardware tests will run in testing suite before a sensor gets to a vehicle
• Saves crucial time in development process
System Architecture

Bitbucket → Jenkins → CICT Testing Suite → CANalyzer → CANape → ADAS radar sensor
Pipeline Dashboard

![Pipeline Dashboard](image)

The Capstone Experience

Team Bosch Alpha Presentation
Successful Pipeline Build
Failed Pipeline Build

The Capstone Experience

Team Bosch Alpha Presentation
Bitbucket Build Statuses
What’s left to do?

• Get CANape to open when Jenkins runs the script

• Verification of Radar flashing using CANalyzer

• Implement Google Tests into Jenkins

• Distributed computing for Jenkins tests

• Test failure notifications
Questions?