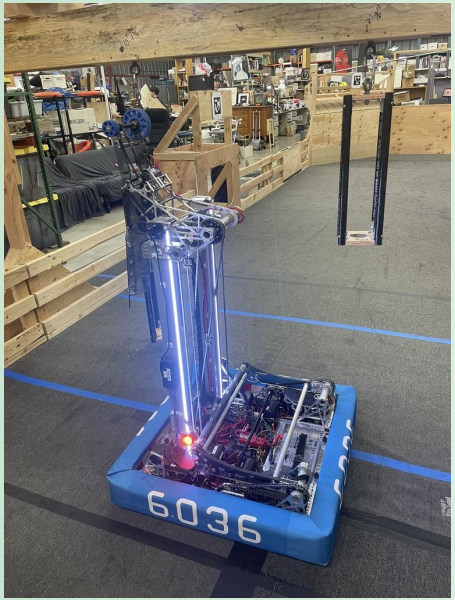
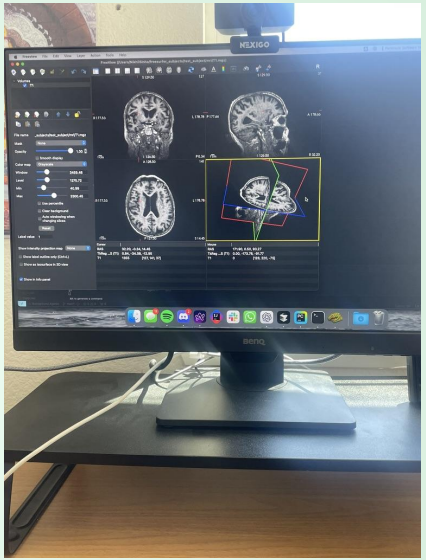
iDENTify:
An Intra-Oral Analyzation Tool

My Story





How can we improve the dental industry with the integration of AI?

Current Implementations

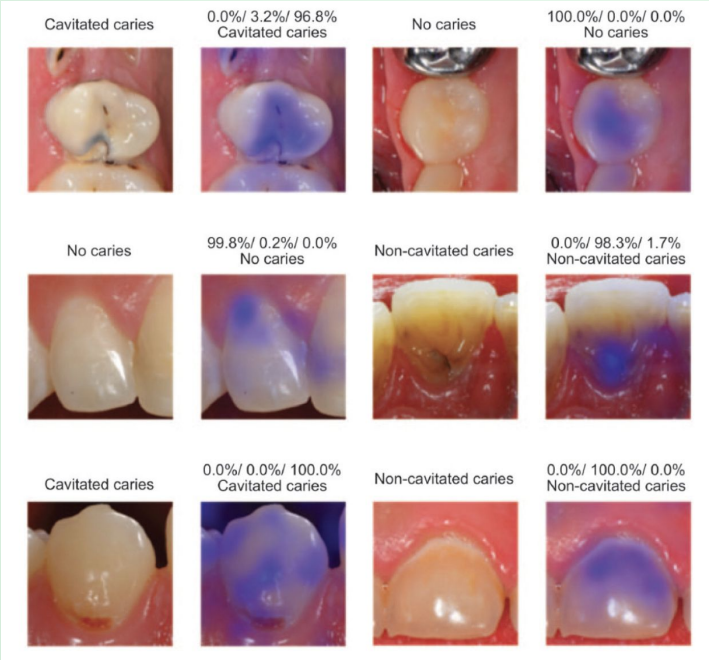
Virtual Care AI

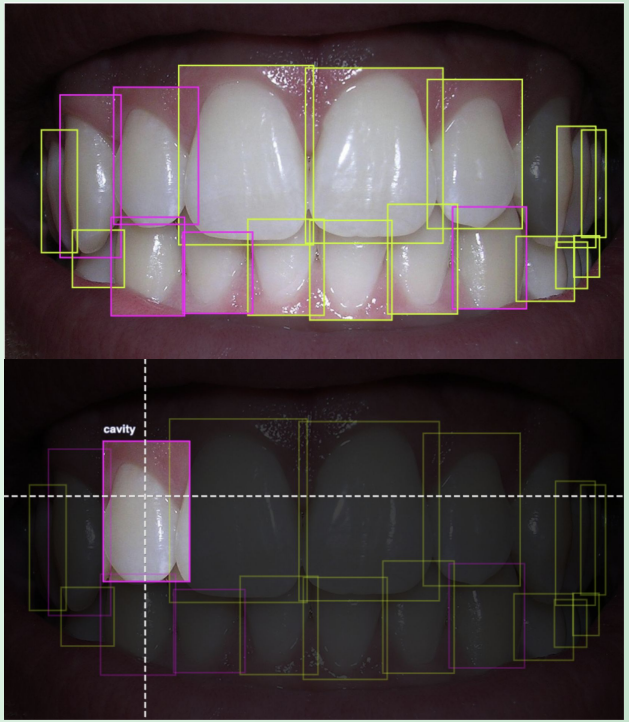
Dental Monitoring

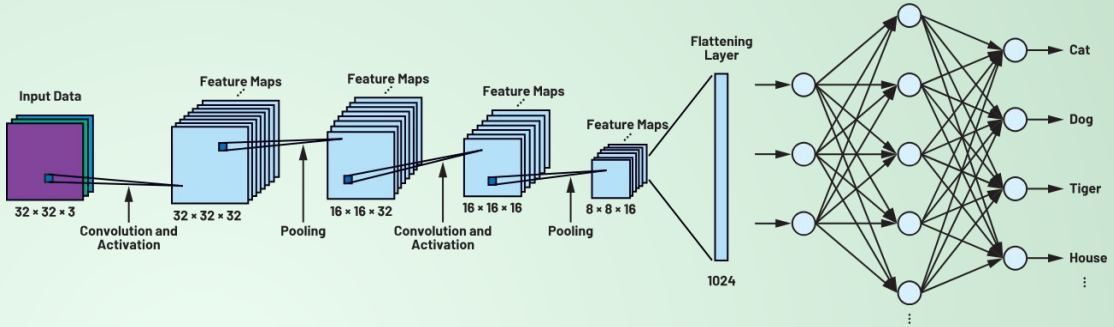
Pearl AI

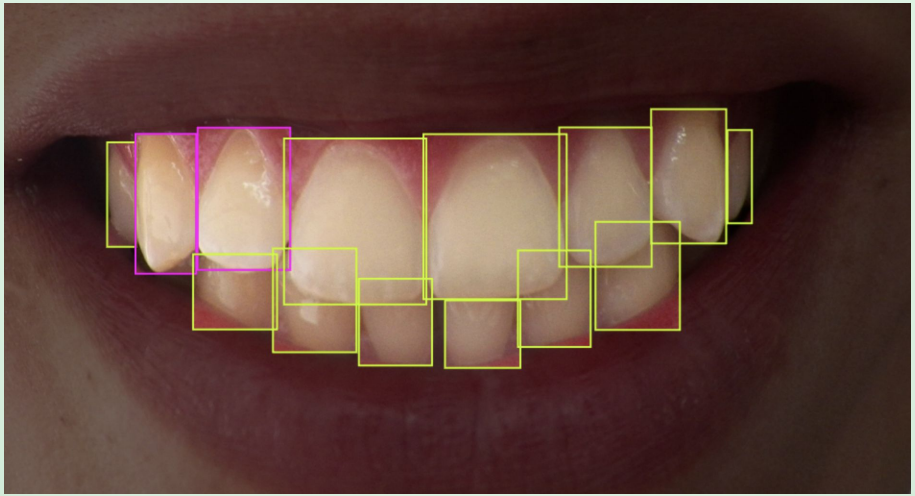
Overjet

iDENTify


Cavitated caries
0.0%/ 3.2%/ 96.8%
Cavitated caries
No caries
100.0%/ 0.0%/ 0.0%
No caries
No caries
99.8%/ 0.2%/ 0.0%
No caries
Non-cavitated caries
0.0%/ 98.3%/ 1.7%
Non-cavitated caries
Cavitated caries
0.0%/ 0.0%/ 100.0%
Cavitated caries
Non-cavitated caries
0.0%/ 100.0%/ 0.0%
Non-cavitated caries


cavity


Input Data
32 × 32 × 3
Convolution and Activation
Feature Maps
32 × 32 × 32
Pooling
Feature Maps
16 × 16 × 32
Convolution and Activation
Feature Maps
16 × 16 × 16
Pooling
Feature Maps
8 × 8 × 16
Flattening Layer
1024
Cat
Dog
Tiger
House



Potential Impact

1. Decrease in amount of emergency appointments with real-time monitoring

2. Enhanced post-op experience for patients, allowing dentists to focus on most extreme cases

BAY AREA
DENTAL
EXPO