**Thesis A Plan**

**Introduction**

FAIMS

Use Case/ Problem at Hand

On device Machine Learning

Current Application Infrastructure

Capacitor

Web App

Mobile App

**Background/ Lit Review**

Image Classification

Deep Neural Networks

CNN

RNN

Traditional Machine Learning Techniques

Approaches to On-device ML

Server-side Model

Client/Server-side Model

Client Model

Frameworks/ Tools for On-Device ML

Tools

Performance

**Methodology**

**System Design**

Cloud

Training Model

Data set – am I expected to find a data set

Updating Model

Client

Inference

**System Implementation**

Tensorflow Lite Android/IOS

Tensorflow JS Website