# Abstract

# Introduction

# Background

## Artificial Intelligence

### Convolutional Neural Network

Explain math Then go into specific sub section and explain what is going on beyond that math

### Artificial/Deep Neural Network

Explain math Then go into specific sub section and explain what is going on beyond that math

### Activation Functions

What is an activation function and why is it used. State the activation functions used in this paper

#### Sigmoid

#### Hyperbolic Tangent

#### Rectified Linear Unit

#### Exponential Linear Unit

## Evolutionary Algorithm

### Genetic Algorithm

Explain math Then go into specific sub section and explain what is going on beyond that math

### Fitness Parameters (Find the accurate Name for this)

What are the Fitness parameters and why do we use them. State the ones we use, how, and why.

#### (Find the name from MIT Video)

#### Fitness Rank

#### Diversity vs. Fitness Space

# Related Works

# Methodology

# Results

# Discussion

# Future Work

# Conclusion