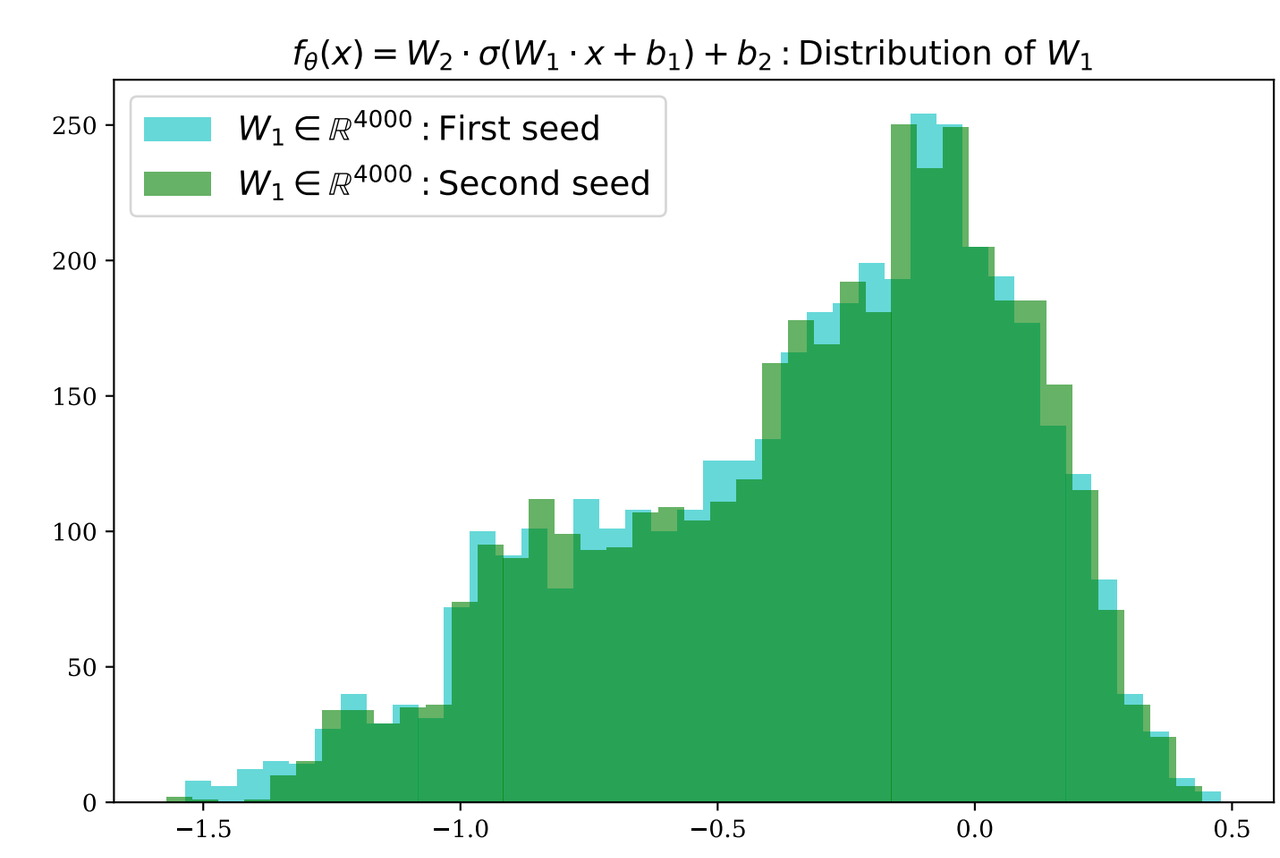
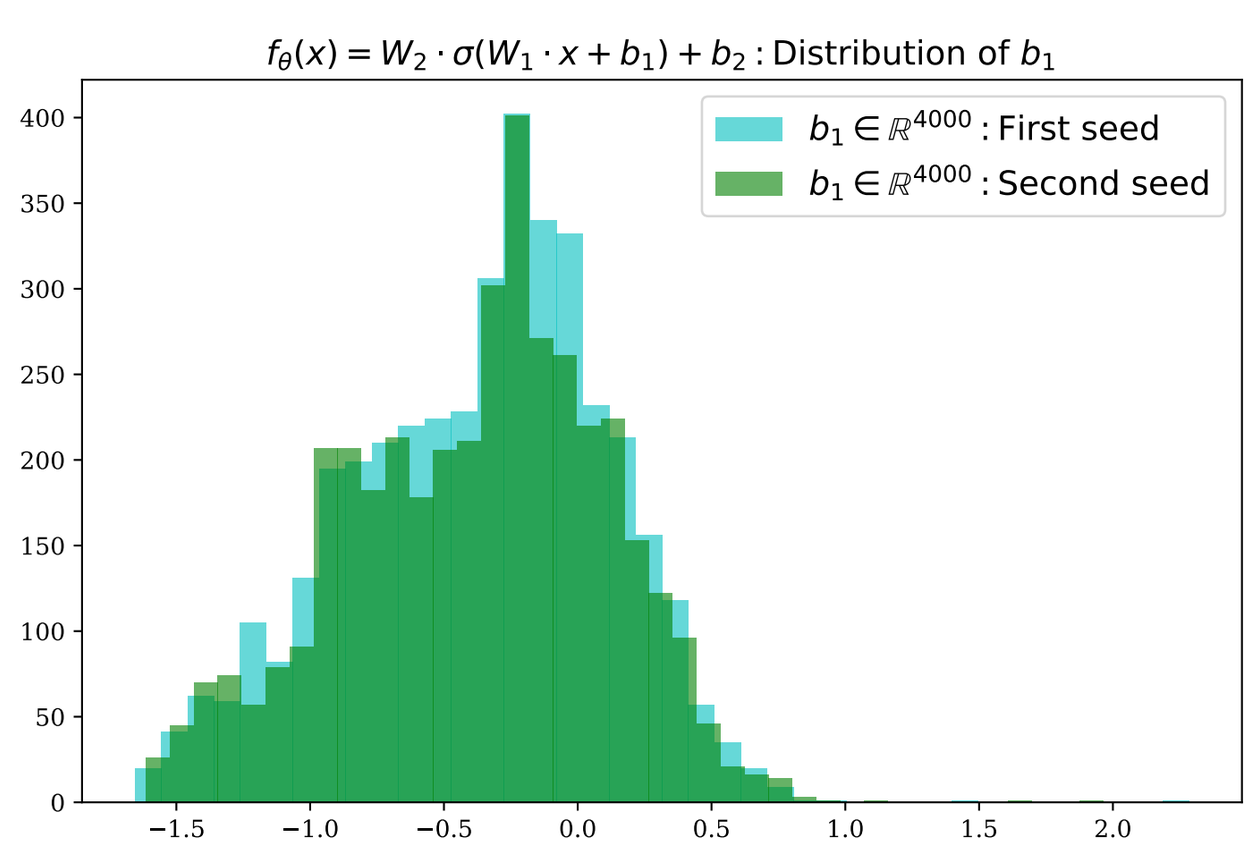
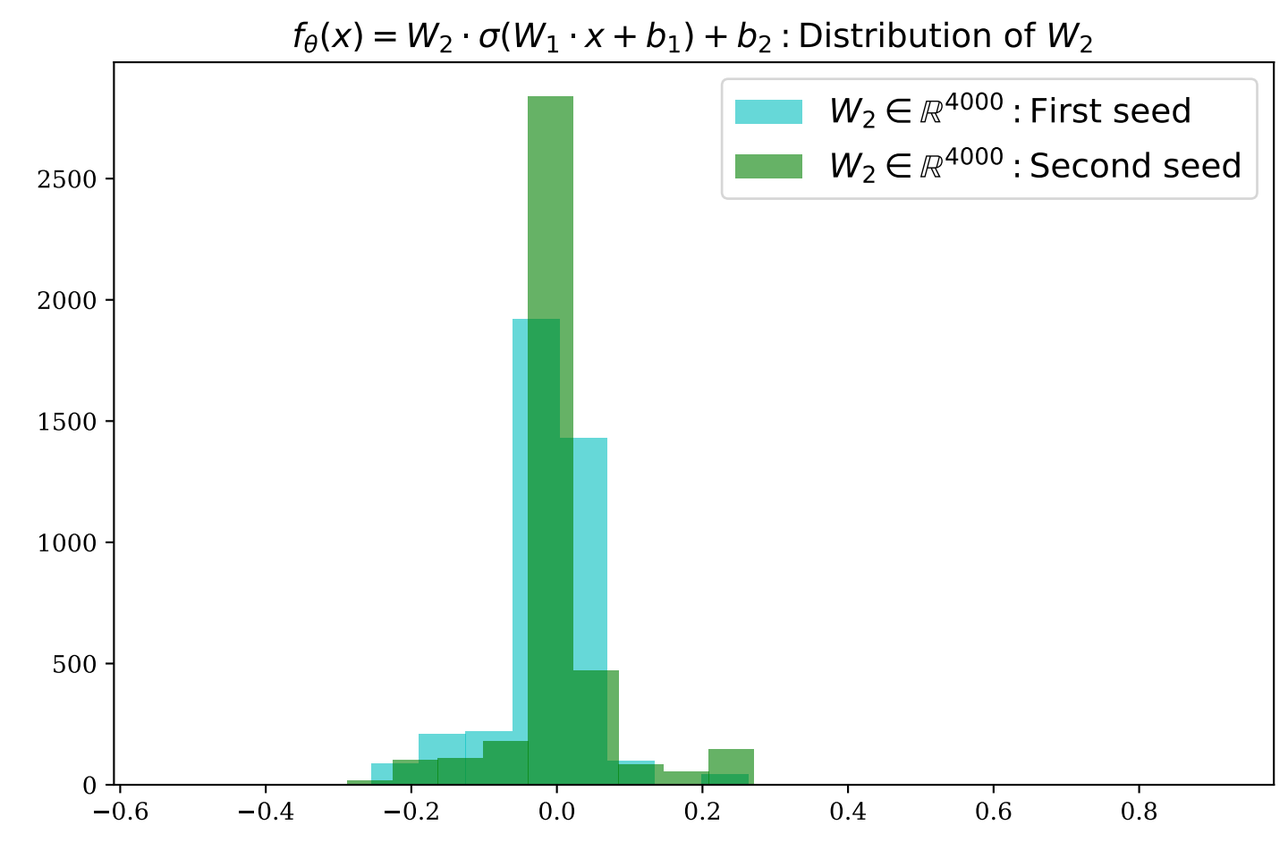
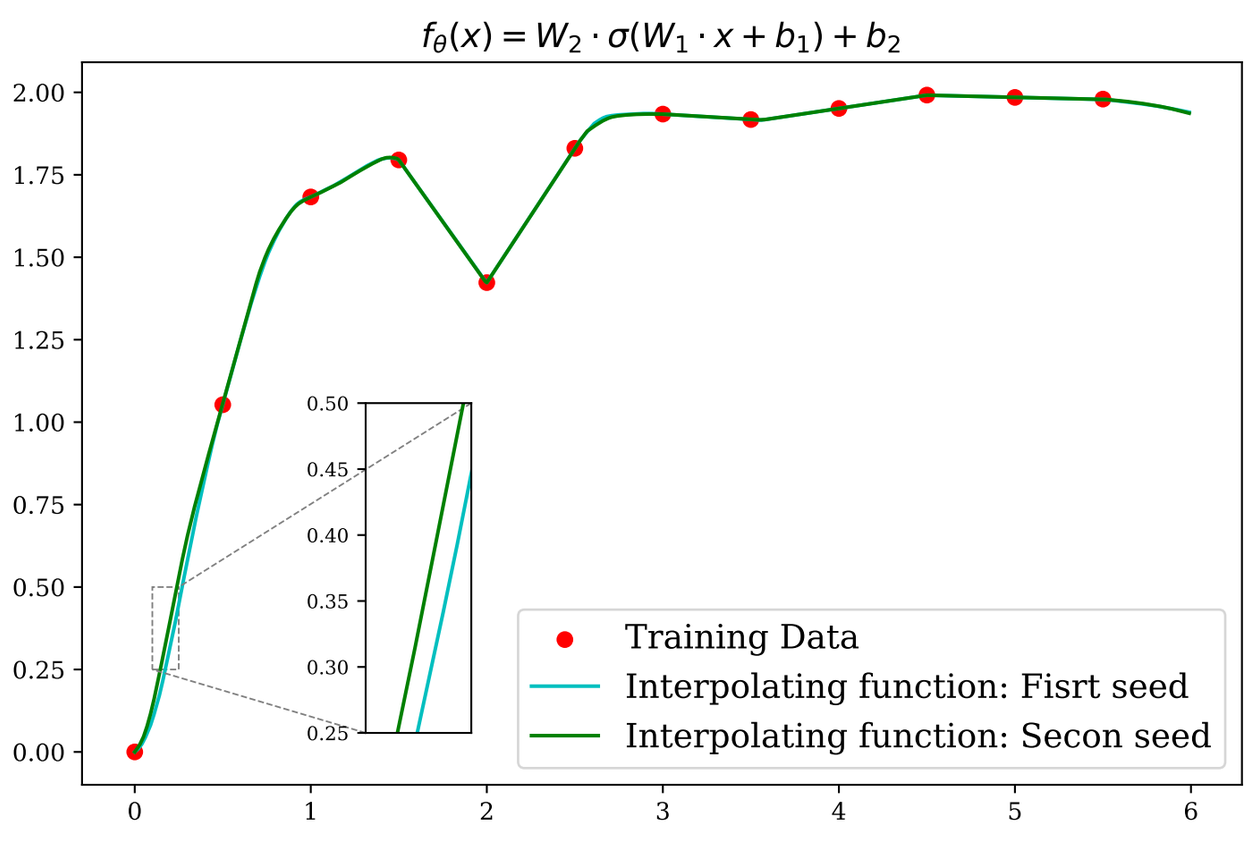

$f_\theta(x) = W_2 \cdot \sigma(W_1 \cdot x + b_1) + b_2$: Distribution of W_1
$W_1 \in \mathbb{R}^{4000}$: First seed
$W_1 \in \mathbb{R}^{4000}$: Second seed
250
200
150
100
50
0
−1.5
−1.0
−0.5
0.0
0.5


$f_\theta(x) = W_2 \cdot \sigma(W_1 \cdot x + b_1) + b_2$: Distribution of b_1
$b_1 \in \mathbb{R}^{4000}$: First seed
$b_1 \in \mathbb{R}^{4000}$: Second seed
400
350
300
250
200
150
100
50
0
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0


$f_\theta(x) = W_2 \cdot \sigma(W_1 \cdot x + b_1) + b_2$: Distribution of W_2
$W_2 \in \mathbb{R}^{4000}$: First seed
$W_2 \in \mathbb{R}^{4000}$: Second seed
2500
2000
1500
1000
500
0
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
0.8


$f_\theta(x) = W_2 \cdot \sigma(W_1 \cdot x + b_1) + b_2$
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0.50
0.45
0.40
0.35
0.30
0.25
Training Data
Interpolating function: Fisrt seed
Interpolating function: Secon seed
0
1
2
3
4
5
6