
LIST OF FIGURES

2.1	DTA prediction research timeline diagram.	10
2.2	Long short-term memory (LSTM) Architecture.	13
2.3	Bidirectional long short-term memory (BiLSTM) Architecture.	14
3.1	Design Process.	18
3.2	Drug graphs construction illustration.	22
3.3	Proposed model architecture overview.	25
4.1	Proposed Model Loss Curves of Davis (left) and KIBA (right) Datasets. . .	32
4.2	Binding affinities distribution plot of Davis (left) and KIBA (right) Datasets.	33
4.3	Model component comparison of Davis (left) and KIBA (right) Datasets. .	37
A.1	Affinity value distribution of Davis Dataset	47
A.2	Affinity value distribution of KIBA Dataset	48