California State University San Bernardino
School of Computer Science and Engineering

CSE 695 Graduate Independent Study

Date

May 29, 2020 (Friday)

Time

3:00 – 3:30

Location

https://csusb.zoom.us/j/99696215310

Title

Prime Neural Network Architectures for Natural Language Processing

Student

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Advisor

Dr. Haiyan Qiao

Abstract

Over the past decade, deep neural networks such as RNNs and CNNs have been applied to natural language processing (NLP) with promising results. Since 2018, BERT, GPT-2, and other transformer-based models have taken the NLP landscape by a storm, outperforming the state-of-the-art on several tasks. In this study, we aim to explore the main neural network architectures from the NLP perspective and bring beginning NLP researchers up to speed with neural techniques.