

California State University San Bernardino  
School of Computer Science and Engineering

**CSE 6950 Graduate Independent Study**

**Date**

August 16, 2021

**Time**

2:00 PM

**Location**

<https://csusb.zoom.us/j/85983992599>

**Title**

Detection of Epilepsy using Machine Learning

**Student**

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**Advisor**

Dr. Ronald Salloum

**Abstract**

Epilepsy is a complex neurological disorder characterized by recurrent seizures that affects millions of people across the world. An electroencephalogram (EEG), which records electrical activity in the brain using electrodes placed along the scalp, is often used in the diagnosis of epilepsy. In this presentation, I will discuss several machine learning techniques that I have been exploring for the detection of epilepsy using EEG data.