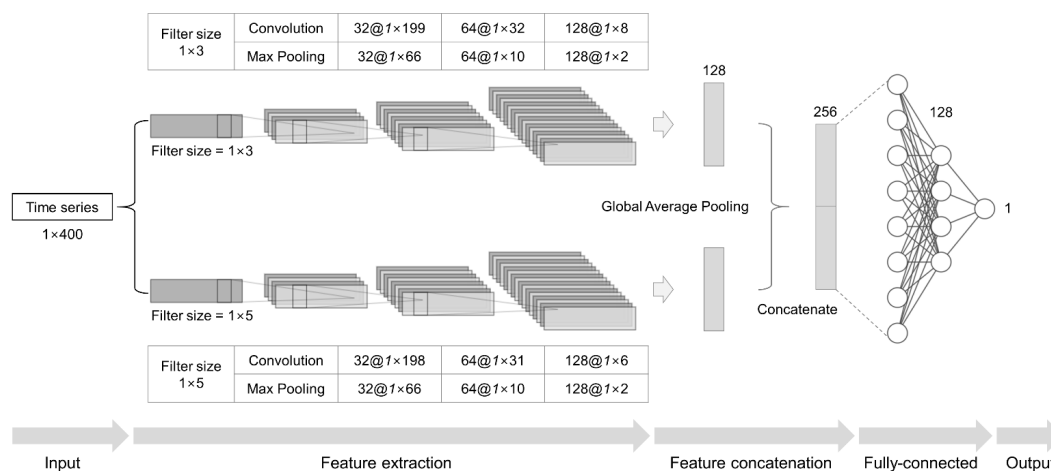




Supplementary Fig. 2. A detailed seizure detection model architecture. A 2-second EEG time series is fed into the input layer of the stacked 1-dimensional (1D) CNN architecture as an input signal. Features are extracted through 2 1D CNN modules with different filter sizes in parallel. Two 128-length feature vectors from the 2 modules are concatenated into a final 256-length feature vector feeding into the fully-connected layer to yield an ictal probability from 0 to 1. EEG, electroencephalography; CNN, convolutional neural network.