# **ECE219\_Project1\_Classification**

Instructions:

* All the codes are in the ECE219\_Project01\_Classification.ipynb
* Open with jupyter notebook with environment set up
* Please run every problem one by one from beginning to end
* Refer to ECE219\_Project01\_Classification\_Report.pdf for more details.
* Questions are answered below each code block
* Note that the code is written in the Google colabatory environment. Some installment or download instructions might be different depending on the local environment.
* Gridsearch function for optimal parameters is time-consuming (about 20 minutes on colab). Performance might be different on the local machine.

Files:

* ECE219\_Project01\_Classification.ipynb
* proj1\_classification.csv
* ECE219\_Project01\_Classification\_Report.pdf
* GLoVE pre-trained data file “<https://nlp.stanford.edu/data/glove.6B.zip>”
* Umap library installment package !pip install umap-learn[plot]

Attribution:

* Some functions are adopted from the Project1 Discussion Material and project manual. Those functions are specifically commented in the code.