

Cheryl Liao

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<https://github.com/cherylliao>

I have a long list of Swift projects ranging from machine learning to chat applications. While my graduate program I focus on computer vision and data analysis, I dedicated spare time to learning all sorts of languages and frameworks such as Apache Spark, mobile stack, API, golang.

Technical Skills:

Languages: C++, C, Java, SQL, Python, Swift, GOLANG, Scala. Mandarin Chinese.

Tools: GitHub, Visual Studios, PyTorch, Apache Spark. Docker.

Specialty Skills: neural networks, computer vision, image analysis. AWS. Application Programming Interface.

Published Articles:

Towards Data Science writer: <https://medium.com/@cheryl3liao>

- Temperature Prediction Using Recurrent Neural Network, see Medium article:

(<https://towardsdatascience.com/temperature-prediction-using-recurrent-neural-network-fd6b8436b9c9>)

- Distinguishing Celebrity Look-Alikes Using Gabor CNN, see published Medium article:

(<https://medium.com/@cheryl3liao/distinguishing-celebrity-look-alikes-using-gabor-cnn-ce848a4e3933>)

Personal Projects:

See Github Repository: <https://github.com/cherylliao>

- Movie recommendation based on ratings, see Github repository:

(<https://github.com/cherylliao/Recommender>)

- PCA analysis of dataset, see GitHub repository:

(<https://github.com/cherylliao/PCA>)

- Logistic regression of dataset, see Github repository:

(<https://github.com/cherylliao/Logistic-Regression>)

- Classification of dataset, see Github repository:

(<https://github.com/cherylliao/Classification>)

- Clustering of unstructured dataset, see Github repository:

(<https://github.com/cherylliao/Clustering->)

- BullCowGame: a word guessing game to illustrate software best practices in C++, see Github repository:

(<https://github.com/cherylliao/BullCowGame>)

- An augmented reality app that measures distance in real time and return a glove size in Mac IOS Swift, see GitHub repository:

(<https://github.com/cherylliao/GloveMeasure>)

- SeeFood app clone from Silicon Valley, decides if something is hotdog or not hotdog, see Github repository:

(<https://github.com/cherylliao/SeeFood-iOS12>)

- Paint, a java application that utilizes SOLID software engineering principles:

(<https://github.com/cherylliao/Paint>)

- Image API: an application programming interface that utilizes docker container to predict the category of a given image:

(<https://github.com/cherylliao/Image-API>)