**Summary of Wenting Li’s projects**

**a. Work during Internship at Inovision, Inc**

Part of my work at Inovision, Inc was written into two internship reports:

<https://github.com/wodelabixiaoxin/Intranet-development-at-Inovision-Inc>

I also kept a 90-page work log, which kept track of all my work and tasks finished during the internship. The work log can be sent upon request.

The techniques used include: .NET, MVC, SQL Server, C#, JavaScript, HTML, JQuery, CSS, BootStrap, Entity Framework Code First, etc.

**b. Tindog website**

This is a fun responsive website for dog lovers. It’s mobile-friendly. The main techniques used are: HTML, CSS, Bootstrap.

Link: <https://wodelabixiaoxin.github.io/TinDog/>

**c. Cupcake business website**

This is a business website allowing administrator to register, log in, view, and make changes.

Link: <https://wodelabixiaoxin.github.io/CupcakeYum/index.html>

**d. Web-based database system for managing social network**

This is a web-based database system for managing social network website. A user can register, log in, post blogs, follow/followed by others, like/dislike blogs, search people by id/username, etc.

Apache Tomcat was used as the application server. All files (source codes, class files, bat, and txt) is contained in a war file. The project can be found here:

<https://github.com/wodelabixiaoxin/Database-System-Managing-Social-Network>

I made two demos of the social media application:

<https://www.youtube.com/watch?v=CppnZQR2HJU>

<https://www.youtube.com/watch?v=ZDgSiIt_UUo>

**e. Car Insurance Claim Forecasting Using Machine Learning Techniques**

In this project, machine learning techniques are explored to improve accuracy in classification prediction. Combined classification techniques are used to build a model that predicts the probability that a driver will initiate an auto insurance claim. Among these techniques, XGBoost outperforms all the other algorithms and gives best forecasting accuracy.

The main techniques and languages used are: Python, R, Weka, Matlab

The project was written into a paper:

<https://github.com/wodelabixiaoxin/Car-Insurance-Claim-Forecasting/blob/master/CSC5825%20%20Final%20Project%20Report_Wenting%20Li.pdf>

**f. Chronic Kidney Disease Prediction Using Machine Learning Techniques**

In this project, I tried various preprocessing methods and prediction techniques on WEKA. Several classification algorithms were used to build a model that predicts whether a patient has chronic kidney disease or not. The prediction results and performance of each algorithm is compared. The final prediction accuracy reaches 99%.

The project paper can be found here:

<https://github.com/wodelabixiaoxin/Chronic-Kidney-Disease-Prediction-Using-Machine-Learning-Techniques/blob/master/CSC5800%20project%20report.pdf>