

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%20Report%20Wenting%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>