I have created an R Shiny app that identifies the best variables to add to a multiple regression model that predicts the salaries of employees based on demographic features. Action buttons allow users to add and remove variables from the regression model. After each time a user adds or removes a variable the app suggests potential explanatory variables that would improve salary prediction. The app shows partial residual plots for new variables controlling for the current model's variables.

The app: [https://wlai0611.shinyapps.io/multiregshiny/](https://wlai0611.shinyapps.io/multiregshiny/%09%20)

I have created an R Shiny app that identifies the best variables to add for a Naive Bayes classifier to classify whether employees will quit their jobs. Action buttons allow users to add and remove variables from a Naive Bayes classifier. After each time a user adds or removes a variable, the app shows the cross validated Sensitivity and Specificity of all other explanatory variables if they were added to the model in a dot plot.

The app: <https://wlai0611.shinyapps.io/bayesshiny/>

I have previously worked as a Data Analyst at Brooklyn College's Cognitive Psychology Lab. We used Python and R extensively for analyses of keyboard typing experiments. I created a Python script that generates random paragraphs of text for a user to practice typing on using pandas, numpy and dictionaries on Spyder. The script is available here:

[https://github.com/wlai0611/letterFrequencyTextGenerator](https://github.com/wlai0611/letterFrequencyTextGenerator%09)

I used Firebase to create a NoSQL database to store typing data from a RShiny web app that helps people improve typing speed and accuracy:

<https://walterlai.shinyapps.io/devapp/>

Additionally, I passed Microsoft's Querying SQL Server 2012/2014 Exam with an 800/1000.

I am constantly trying to learn more about data management and am eager to relocate to join the team.

I am a Tableau Desktop Certified Associate. I have used Tableau to create a dashboard that identifies under-served markets for a fictional beer company using Level of Detail calculations, set and parameter actions. I have deeply enjoyed connecting to many different data sources and easily exploring relationships. The viz can be found here:

[https://public.tableau.com/profile/walter.lai#!/](https://public.tableau.com/profile/walter.lai%23!/)