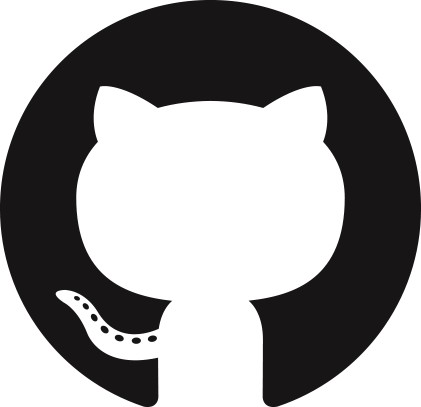
Zihao Li

📧 [zihao-lee@outlook.com](mailto:zihao-lee@outlook.com%20) | 🏠 [zihao.cool](http://www.zihao.cool) |  [ZiHAO-LI-cmd](https://github.com/ZiHAO-LI-cmd) |  [Zihao Li](https://www.linkedin.com/in/zihao-li-968170212/) | 📍 Shenyang, China

# Education

[**Northeastern University (China)**](http://english.neu.edu.cn/)*Shenyang, China*

Bachelor’s degree, Computer Science *Sep 2019 – Jun 2023*

# Experience

**Research Assistant**

North Carolina State University *Jan 2022 – Feb 2022*

* NC State University Global Training Initiative, 2022 Winter GEARS Online Program.
* Research Topic: Machine Learning and Its Applications.

**Summer school student**

Peter the Great St.Petersburg Polytechnic University  *Aug 2021*

* A New York City Taxi fare prediction project was completed on Kaggle using machine learning techniques.

# Projects

## Application of ANN for Modeling the Effectiveness of Quarantine Control in COVID-19 Infection Spread

* A combination of mechanistic mathematical modeling with machine learning was used to study the effects of quarantine policies in controlling the spread of the COVID-19 infection.
* The classic SIR epidemiological model was used as a based model. An artificial neural network (ANN) was used as a universal approximator modeling the effects of quarantine control on the spread of the virus.

## Analysis of the presidential preference of American voters

* Use Pandas to analyze 75 million votes donated by American voters from July 22, 2020 to August 20, 2020 to analyze their preferences for presidential candidates.
* Third-party libraries such as *Matplotlib* and *WordCloud* are used for data set processing, data exploration, data analysis, and data visualization.

## New-York-City-Taxi-Fare-Prediction

* 54 million lines of data were imported using *Dask*, and predictions were made using *XGBoost*. It ranks around 30% on Kaggle.

## Student course selection management system

* A Java SE project, to achieve the students to select courses, cancel courses, teachers schedule courses, educational management and other functions.

## Logistics information management APP

* An Android project, it can parse XML, JSON data from the network, and can also use a local database for operations.

# Programing Languages & Skills

Python, Java, C, C++

JavaScript | HTML | CSS | Vue

Machine Learning, TensorFlow, Scikit-Learn, Keras, Numpy, Pandas, Algorithms, Android Development, Git

# Language

Chinese(native), English

# Awards

2020 **Third class Scholarship** *Scholarship*

· A scholarship to the top 30% of students in NEU

2021 **Third prize of Liaoning Province in National Mathematics Competition for College Students**

# Certifications

**Introduction to Data Science in Python** *Coursera*

Credential ID NND5XD2TC3EQ *Issued Sep 2021 · No Expiration Date*

**Python Data Structures** *Coursera*

Credential ID A3LJ8LRMR6CL *Issued Sep 2021 · No Expiration Date*