

# Leo Ding

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[LinkedIn](#) | [GitHub](#) | [Personal Website](#)

## Education

**New York University** – B.A. in Computer Science and Data Science (GPA: 3.90)

September 2020 - Present (Expected May 2023)

Relevant Coursework: Processing Big Data for Analytics Applications, Data Management and Analysis, Probability and Statistics, Basic Algorithms

## Technical Skills

Fluent: Python

Proficient: Golang, Docker, R, Java, PostgreSQL

Familiar: AWS, Git, ReactJS, Axios, HTML, CSS, JavaScript, Hadoop, Hive, Impala, Spark

## Projects

- [Coffee Shop](#) (Docker, Golang, SQL, AWS, HTML, CSS, JavaScript)
  - Large portion of my work is done at a coffee shop near NYU's campus
  - Friends occasionally want to visit, but are not always sure whether or not I am present
  - Web app allows me to update and display my status in regards to if I am at the coffee shop or not
  - **Golang** handles **password authentication**, **session management**, HTTP request processing, and **PostgreSQL** manipulation
  - **Docker** is used for component containerization
  - Hosted on **AWS** using **Elastic Beanstalk** and **Relational Database Service**
  - **JavaScript** used to send HTTP requests and update frontend elements accordingly
- [Soccer Analytics](#) (Java, SQL, Spark)
  - Analyzed a decade's worth of data from three top European leagues
  - Attempted to determine factors that contribute to winning
  - Classified winners and losers using **Logistic Regression**
  - Grouped skill difference between leagues using **K-Means**
- [Movie Ratings Analysis](#) (Python)
  - Utilized **Principal Component Analysis** to reduce features for analysis
  - Evaluated relationships between movies using **Linear Regression** with many predictors

## Experience

Data Science Lead – NASA Student Payload Opportunity with Citizen Science

August 2020 - December 2020

- Collaborated with university students from USC, UCLA, and UC Berkeley
- Proposed an automated experiment regarding virulence and antibiotic resistance in E. coli in microgravity environments
- Determined experimental data collection logistics and post-experiment data analysis processes

Web Development Intern – California State University, Los Angeles

June 2019 - July 2019

- Co-created a simple student management website for a professor
- Simultaneously learned and implemented HTML, CSS, JavaScript, SQL, and PHP into the project