

**Raymond Li**  
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## Education

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**Carnegie Mellon University, Bachelor of Science in Information Systems** May 2022

- Relevant Coursework: *Practical Data Science*, Statistical Graphics and Visualization, Introduction to Probability Theory, Introduction to Statistical Inference, Applied Machine Learning, Modern Regression, Advanced Methods of Data Analysis, *Sports Analytics Capstone*

## Research & Projects

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**Sports Analytics Capstone- Golf (Developer)** Jan. 2021--May 2021

- Teamed up in groups of three to create an application for tracking swings and analytics for the Carnegie Mellon varsity golf team using R and Leaflet
- Implemented ways to add pin locations and golf ball locations on a map as well as the ability to dynamically calculate distance between said locations

**Statistical Research with R (Coursework)** Sep. 2019--May 2021

- Generated plots and transformations (including EDA plots, correlation matrices, multicollinearity tests, linear regressions, discriminant analysis, classification trees, and binary logistic regressions) in R to find characteristics in viral articles and predicting titanic survivors
- Collaborated in groups of four to produce EDA plots, faceting graphs, and time lag charts using ggplot2 in R to model Google Play Store application trends
- Evaluated models (including linear, smoothing spline, poisson additive, general additive) and conducted error analysis of said models using R to come up with findings regarding animal lifespan and particles contributing to air pollution

**Predicting Wine Quality from Chemical Composition (Coursework)** Sep. 2020--Dec. 2020

- Tested different classifier models (ie: SMO, J48, JRIP, ZeroR) and iterated parameter tuning on a wine quality data set using machine learning user interfaces, such as Weka and LightSide

**Google Play Store Machine Learning Model (Group Project)** Mar. 2020--May 2020

- Performed RMSE Regression Test to predict app rating based on factors such as, download numbers, app genre, app size, etc with pandas and scikit learn

## Extracurricular Experience

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**Carnegie Mellon Club Basketball Team- Pittsburgh, NY** Jan. 2021--Present

- Engaged in bi-weekly practices to improve both individual skills and team plays and concepts

**CMU Business Technology Club (Event Chair)- Pittsburgh, PA** Jan. 2020--May 2020

- Collaborated with partner to write weekly newsletters to hundreds of students regarding current events in technology

## Skills

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- **Software:** Python(including psycopg2), Ruby on Rails, SQLite, PostgreSQL, Pandas, Seaborn, R, Leaflet, Scikit Learn, HTML, CSS, Javascript, Java
  - **Applications:** Google and Microsoft Suite, Airtable, Voiceflow, Figma, Tableau, Vertibello
  - **Languages:** Mandarin (conversational)