

Gang Yang

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Education

- 2019 – **BS in Computer Science and Mathematics**, *Jacobs School of Engineering*, University of California, San Diego, GPA: 3.9/4.0, Expected 2023.
Courses: Introduction to Data Structures, Honors Linear Algebra, Foundations of Real Analysis, Introduction to Probability Theory, Stochastic Process, Mathematical Statistics
- 2016 – 2019 **Ningbo Foreign Language School**, *AP Department*, GPA: 4.56/4.0.

Working Experience

- Sept 2020 – **Computer Science Tutor at UCSD**, *Jacobs School of Engineering*.
Dec 2020 Working under Professor Adalbert Gerald's CSE 8A: Introduction to Programming and Computational Problem Solving 1. My main task will be grading weekly programming assignments and helping students during lab hours.
- Summer 2020 **Data Analyst at Donghai Marine Insurance Co., Ltd**, *Information and Technology Department*.
Designed and implemented a database system to visualize statistical data for each policy

Community

- Blog <https://immmjack.github.io/>, *My personal website*.
GitHub github.com/immmjack.
Kaggle <https://www.kaggle.com/immmjack>.
LinkedIn <https://www.linkedin.com/in/gang-yang-603708195/>.

Project Experience

- September 2020 **Survival Prediction of Titanic**, *Python*, Kaggle Competition.
This is my first project in Machine Learning. The aim is to create a model that predicts which passengers survived the Titanic shipwreck. I used Decision Tree model with **k fold cross validation** with `cv = 10`. I will update my prediction soon since Decision Tree is not a great model to provide prediction.
- March 2020 **Minesweeper**, *Java*, Independent Project.
Minesweeper is a single-player puzzle game. The objective of the game is to clear a rectangular board containing hidden "mines" or bombs without detonating any of them, with help from clues about the number of neighboring mines in each field. I implemented the game via object orientation approach. The `Play` class starts the game as a driver. The `Bomb` class stores the information about game board. The `TimeChecker` class records the playing time. Others classes provide the implementation of User Interface.

Awards

- 2019 – **Provost Honors at John Muir College**.
April 2018 **Top 5% Internationally in Euclid Mathematics Contest**.

Skills

- Programming Languages **Java, Python, R, TeX**.
Frameworks **Matplotlib, Pandas, Sklearn, MySQL**.
Tools **Git, Jupyter Notebook, R Markdown**.
Games **Hearthstone (Legend Rank)**, *Capricorn#51956 (CN Server)*.