Lam Lo (Teddy)

442 Webster Street, Palo Alto, CA 94301 • (507) 703-2093 • lamtlo820@gmail.com • itsmeteddy.com

PROGRAMMING EXPERIENCE

Ducth Auction Smart Contract   Spring 2022
- Implemented and deployed a dutch auction smart contract on Ropsten Testnet using Solidity and Brownie testing framework

Suicide Rate Data Analysis Project   Fall 2020
- Performed exploratory data analysis using PowerBI data visualization to find 6 most relevant and impactful predictors for the data model
- Investigated the data of more than 100 countries in 2015 and 2016 to discover the relationship between mental health facility densities and suicide rates of men and women

Alcohol and Happiness Research Project   Fall 2020
- Designed an R script to clean empty values while retaining more than 80% of the data
- Examined the data of 122 countries in 2016 using R and linear regression to learn the relationship between alcohol consumption and happiness levels of citizens

Web Development Project   Spring 2019 - Summer 2020
- Maintained the Quiz Game web app for professor Epstein to use in a 60-student musicology course
- Increased the test coverage by 50%, refactored the code base, and added features according to professors' requests
- Resolved server-related issues and database problems during usage of the app including modifying the Heroku deployment pipeline and adjusting the NGINX configurations

Video Game Strategy Analysis Research   Spring 2020
- Analyzed the data of more than 200,000 matches using R and compared between 10 different models, such as tree-based methods, KNN, and LDA, for drafting strategy of a multiplayer online game

EDUCATION

St. Olaf College - Northfield, MN   Graduated May 2021
- Bachelor of Arts in Computer Science and Mathematics   GPA: 3.72
    - Statistics and Data Science concentration
- Honors and Awards
    - 6th place Konhauser Mathematical Problem Fest 2020
    - 10th place Mathematical Association of America - North Central Section Team Competition 2018
- Relevant Coursework: Software Design, Hardware Design, Operating Systems, Parallel and Distributed Computing, Algorithm and Data Structures, Algorithms for Decision Making, Linear Algebra, Probability Theory, Statistical Modeling

WORK EXPERIENCE

Academic Tutor - St. Olaf College   Fall 2019
- Conducted one-on-one tutoring sessions in Mathematics and Computer Science for fellow college students

Course Grader - St. Olaf College   Spring 2018 - Spring 2020
- Recorded and provided feedback on homework assignments for the following courses: Principle to Computer Science, Software Design, Logic Programming, and Calculus
- Organized weekly homework help sessions to assist more than 20 students in learning course materials and completing assignments

TECHNOLOGICAL SKILLS

- Python/Django/pandas/Flask, PostgreSQL/SQL, Solidity/eth-brownie, Docker/Dokku, NGINX/Heroku, C/C++, R Programming, Power BI, Tableau, HTML/CSS/Bootstrap, JavaScript/jQuery/React