Denton Tran

School of Science
University of New South Wales

0412 856 875
dentontran1234@gmail.com
https://github.com/Pikastunner

Summary

I am interested in all things to do with data and am willing to apply my broad range of skills from front-end programming to data analytics

Education

High School, Graduated Normanhurst Boys High School, 2016 to 2020
Currently studying Data Science and Decisions at UNSW, 2021-2024

Experience

Tutor at Alchemy, 2021-2022

- Collaborated with students to complete homework assignments, identify underdeveloped skills, and correct weaknesses

- Leveraged technology to accelerate learning by proving students with easy-to-access information.

- Planned lessons for allotted time to strengthen weak subjects and build skills.

- Enabled underachieving students to reach target attainment levels by providing individualized coaching and activities.

- Prepared lesson plans to meet goals identified in students' individualized study plans.

SCIF3000 Work Placement at Atlas of Living Australia, 2022-2022

- Working with large volumes of ecological data and ensured the accuracy and validity of data throughout the investigation

- Creating generalized linear model and running model selection through different statistical modules in RStudio

- Utilized models and ecological data to create visualizations through captivating and insightful plots

- Wrote Python and Bash scripts to modify the dataset, clean the dataset and create new data.

- Assisted in compiling a report for our clients based on our investigation.

Projects

- Programmed an information retrieval system for my assignment, using my knowledge of binary search trees and recursive algorithms in C, Semester 1 - 2022

- Designed git in Dash for my assignment implementing features such as git add, git branch, git checkout, git commit, git init, git merge, git rm, git show and git status, Semester 2 - 2022

- Designed a majority of sed including sed -i, sed -a, sed -c, sed -q, sed -p, sed -d, sed -s in Python for my assignment using my knowledge of regular expressions and my strong foundations of python, Semester 2 - 2022

- Produced a detailed report on the results of data analysis of a squid dataset in my assignment using Rstudio and my knowledge of linear models, Semester 3 - 2022

- Investigation on abundance and distribution of lyrebirds before and after the Black Saturday Fires, Atlas of Living Australia, Semester 3 - 2022

- Assisted in designing and making the front-end of the UNSW CPMsoc website for their competition, Summer Holidays - 2022

Notable Achievements

COMP2521 Data Structures and Algorithms - 86
PSYC1022 Psychology of Addiction - 86
MATH2831 Linear Models - 85
SCIF3000 Science Industry Project - 85
COMP3311 Database Systems - 90

Languages

- C

- R

- JavaScript

- SQL

- PostgreSQL

- Python

- Bash

December 21, 2022