ABDULAZIZ AL-DALAAN

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PROFESSIONAL EXPERIENCE

Teacher's Assistant - Introduction to Computer Programming **August 2022 - December 2023**
Washington State University

- Educated students in aspects such as elementary algorithmic problem solving, computational models, parameterized procedures and more in the **Python** Programming Language.
- **Managed** Weekly Labs and office hours to provide further assistance.
- Assisted in the **grading** of both assignments and exams.

EDUCATION

Washington State University **August 2019 - December 2023**
Bachelor of Science, Computer Science GPA: 3.95

Clark College **September 2018 - June 2019**
Transferred with General Requirements GPA: 3.56

PROJECTS

Cougar Research Application Portal

***Repo*:** *https://github.com/AbdulAzizAl-Dalaan/Cougar-Research-Application-Portal*

- An application portal created to allow Washington State University Professors to publish and manage research positions for both undergraduate and graduate students.
- Professor Users can perform **CRUD operations** such as creating, editing, and deleting research positions. While Students users are able to perform the action of apply for said positions while inputting relevant experience information.
- Created in **Python** with **Flask**, and **SQLAlchemy**

Linux EXT2 File System

***Repo*:** *https://github.com/AbdulAzizAl-Dalaan/ext2-file-system*

- An Filesystem emulator that is fully compatible with the **Linux** EXT2 Filesystem
- Implement various Linux commands such as ls, cd, mkdir, rm, pwd, and more. This also includes file I/O commands such as open, close, cat, and more.
- Created in **C**

NFL Prediction Analysis/Algorithm

***Repo*:** https://github.com/AbdulAzizAl-Dalaan/NFL-Prediction-Algorithm

- A program which utilizes NFL team season data from 2012-2021 to identify key statistics which leads a team to the most wins, while also utilize some of the features found to predict the outcome of games for the 2022 season.
- Utilizes **Machine Learning** concepts such as **Random Forests** and **t-SNE** in order to identify key statistic features including a variant of the **ELO Rating System** which accounts for the found features in order to predict the outcome of NFL games within the season after.
- Created in **Python**

QuizFeed

***Repo*:** https://github.com/AbdulAzizAl-Dalaan/QuizFeed

- A **Full Stack** web application where users can created quizzes and share them with other users.
- Create and customize your account and make friends with other users and message them. Create quizzes and take other ones as well and share your results with friends.
- Created in **JavaScript,** with **React**, **Express**, and **SQLite**

SKILLS

Programming Languages
Python, C/C++, JavaScript, SQL, HTML, CSS

Tools and Frameworks
Git/GitHub, VSCode, WSL, Unix/Linux, npm, React