Paolo Pedrigal

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CURRENT OBJECTIVE

To obtain a role where I can gain in-depth knowledge and real-world experience in the field of software development and data science.

EDUCATION

University of California, Irvine *Degree Expected: June 2023*

B.S. Computer Science

- GPA: 3.75/4.00
- Campuswide Honors Collegium Student
- Recipient of the Regents' Scholarship

EXPERIENCE

Data Science Fellow | University of California, Santa Barbara *June 2021 – August 2021*

- Created linear regression models to detect correlations among bee-plant species interactions
- Created a multiclass classification model to identify interactions by bee family
- Presented findings of patterns using heat maps and world map plots
- Data mined through 295,938 entries of the given dataset

Front-End Developer Intern | MLiora, San José, CA *June 2021 – August 2021*

- Built the front-page of MLiora's prototype website using ReactJS and GitHub Pages
- Developed the login of the website using token-based authentication

Data Science Mentee | Stanford University, School of Medicine *April 2021 – June 2021*

- Walked through research on improving diagnosis of genetic disease in underserved groups using computation under a mentor
- Learned basic syntax of R

Data Structures Teaching Assistant | De Anza College *April 2021 – June 2021*

- Assisted students in Java on data structures including linked lists, queues, stacks, binary search trees, heaps, and hash tables
- Taught basic algorithms to students including divide and conquer, search, and graph traversal algorithms

PROJECTS

Social Media Friend Recommendation

- Developed a command line interface for a main user that searches for current friends and other users
- Created a UML diagram to model the object-oriented classes involved in the project
- Implemented breadth-first search to execute friend recommendations based on the main user's mutual friends and their mutuals

Predicting Universal Studios Ratings

- Conducted EDA on a Universal Studios ratings dataset to see the frequency of reviews over a seasonal period and to see which Universal Studios branches yielded higher-rated reviews versus lower-rated reviews
- Used Python's NLTK library for NLP to preprocess unstructured data for a Multinomial Naive Bayes classifier model that would predict 1-star or 5-star reviews

2021 Movies Information Application

- Web scraped movie information from a Rotten Tomatoes website to load movie data on SQLite3
- Created a GUI that could redirect a user to a selected movie's webpage, present a list of movies that a selected actor is in, or present a listbox of movies by month

SKILLS & COURSEWORK

- Python, R, C++, Java
- JavaScript, HTML, CSS, ReactJS
- SQL, PowerBI, Excel
- Git, GitHub, Command Line
- Data Structures and Abstraction
- Algorithms Analysis
- Probability/Statistics