PATRICIA CADAR
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https://piacadar.github.io

OBJECTIVE

Highly driven Computational Biology and Computer Science student. Looking for an internship or full-time job starting May 2021.

SKILLS

Languages

- Proficient in: Python, R, Java
- Familiar with: SQL, HTML, JavaScript, Swift

Frameworks

- Pandas, numpy, sklearn, matplotlib, plotly

Mathematical Models

- Linear regression, Log regression, Decision trees, Naive Bayes, KNN, K-means, Random forests, SVM, Neural Networks, PCA

Hard Skills

- GitHub, GitLab, Tableau, Microsoft Office, Data Mining and Data QA, Data Visualization, Statistics and Probability, Experimental Design and Analysis, Survey Creation, Problem Solving

Soft Skills

- Communication and Public Speaking, Critical Thinking, Attention to Detail, Organization, Teamwork and Collaboration, Creativity, Leadership, Time-Management, Self-Motivation

Foreign Language

- Romanian (fluent)
- French (beginner)

EXPERIENCE

Research Assistant – DIY Diagnostics Lab Jan 2019 – Jan 2021

University of Texas at Austin

- Assist students with coding in HTML and JavaScript

Undergraduate Researcher – DIY Diagnostics Lab Jan 2018 – Jan 2021

University of Texas at Austin

- Research using Python
    - Develop a more accurate and efficient scoliosis detection device using a Python program that took data from flex sensors and created a 3D plot of a person's spine
- Research using R
    - Study the effects of the presence of humans and food on the behavior of squirrels
    - Study the effects of sugar intake and diet type on energy levels in college students

EDUCATION

University of Texas at Austin August 2017 – May 2021

Austin, TX

- BS Computational Biology – Anticipated May 2021
- Elements of Computing Certificate – Anticipated May 2021

RELEVANT COURSES

UT Austin

- Introduction to Programming
- Elements of Software Design
- Software Engineering
- Biostatistics
- Computational Biology (both in R and Python)
- Data Mining
- Probability
- Linear Algebra & Matrices
- Differential and Integral Calculus
- Finance
- Accounting
- Innovation/Entrepreneurship

Udemy

- Machine Learning
- Deep Learning
- Artificial Intelligence