PATRICIA CADAR

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<https://piacadar.github.io>

# Objective

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| 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

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| Research Assistant – DIY Diagnostics Lab | Jan 2019 – Jan 2021 |

University of Texas at Austin

* Assist students with coding in HTML and JavaScript

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| 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

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| --- | --- |
| University of Texas at Austin Austin, TX   * BS Computational Biology – Anticipated May 2021 * Elements of Computing Certificate – Anticipated May 2021 | August 2017 – 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

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