

Youssaf Menacer

[LinkedIn](#) | [GitHub](#) |

Location: Houston, Texas

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DATA SCIENTIST

Highly motivated and detail-oriented data scientist with over **3 years of experience** in **Python, C++, and SQL** with expertise in problem-solving.

TECHNICAL SKILLS

Languages : Python, SQL, C++, Excel, Julia
Libraries : Pandas, NumPy, Matplotlib, Seaborn, Tensorflow, PyTorch, and Scikit-learn
Databases : MySQL, Oracle, Apache Hadoop, and Apache Spark

EXPERIENCE

Data Science Fellow Sept 2022 – Present
Springboard *Remote*

+550 hours of hands-on curriculum, with 1:1 industry expert mentor oversight, and completion of 3 in-depth capstone projects. Mastering skills in Python, SQL, data analysis, data visualization, hypothesis testing, and machine learning.

- For Capstone one: Evaluating and Optimizing Big Mountain Ski Resort's Ticket Pricing Strategy **Skills: numpy, pandas, sklearn, seaborn, and cross-validation.**
- For Capstone two: Consumer Behaviour Analysis of Amazon **Skills: KNeighborsClassifier, SVC, GaussianNB, DecisionTreeClassifier, RandomForestClassifier, and AdaBoostClassifier**
- For Capstone three: Breast Cancer Diagnosis using Image Processing and Deep Learning **Skills: CNN, Data augmentation, tensorflow, keras. by**

Graduate Teaching Assistant Aug 2022 – Present
University of Houston *Houston, Texas, United States*

- Teaching labs of 40-150 students; online and face-to-face
- Grading for Calculus I, Calculus II, Calculus III, Linear Algebra, Statistics, and Discrete Math.
- Tutoring at CASA.

Software Tester Jan 2017 – Aug 2019
FracGeoThe Woodlands, Texas, United States

- I played a critical role in the development process, ensuring that projects function precisely as intended **Skills: Data Visualization • Microsoft Excel • C++ • Communication**
- As part of this responsibility, I actively engaged in comprehensive software testing to uncover potential flaws or weaknesses. **Skills: Linear Regression • Linear Algebra • Linear Programming • Software Testing**

EDUCATION

University of Houston Houston, Texas, United States
PhD in Mathematics *Aug 2019 – Present*

University Abu Bekr Belkaid Tlemcen, Algeria
Master's Degree in Applied Mathematics *Sept 2014 – Jun 2016*

University Abu Bekr Belkaid Tlemcen, Algeria
Bachelor's Degree in Mathematics and Computer Science *Sept 2011 – Jun 2014*

CERTIFICATIONS

- [Springboard Certified Data Scientist](#)
- [Stanford Certificate in Machine Learning](#)
- [Neuromatch Certificate in Deep Learning](#)
- [LinkedIn Learning Certificate of Completion Neural Network Training](#)