Laura Smith

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References available upon request

EDUCATION

Texas A&M University
College Station, TX

Estimated graduation date: May 2022
Current major: General Engineering
Intended major: Mechanical Engineering

Patrick Taylor Academy— *High School (3.98)*
Avondale, LA

Relevant coursework:

- AP Computer Science
- AP Calculus AB
- AP Chemistry
- Math 2314 - Elementary Statistical Methods
  Taken at University of New Orleans
- ENGL 1158 - English Composition
  Taken at University of New Orleans

SKILLS

Python	★★★★★
Matplotlib	★★★★★
Java	★★★
MATLAB	★
Artificial Intelligence	★★

SOFT SKILLS

Problem solving
Independent learning
Perseverance
Teamwork

EXPERIENCE

Naval Research Laboratory — *Summer Intern*
Stennis Space Center, MS

JUNE 2017 - JULY 2017

As part of the Science and Engineering Apprenticeship Program, I completed a project where I created a visualization tool for categorized spatiotemporal data. My aim was to help people understand why a classification algorithm may classify their data unfavorably.

JUNE 2018 - JULY 2018

I created a tool to visualize high dimensional categorized data in order to optimize a machine learning implementation. By understanding my data, I was able to make intuitive adjustments to an image region annotation program and reduce misclassification by 11%.

PROFESSIONAL CONFERENCES AND PUBLICATIONS

NRL Summer Poster Session 2018
Visualization -Driven Boosting for High-Dimensional K Nearest Neighbors

Greater New Orleans Science and Engineering Fair (GNOSEF) 2018/ Louisiana Science and Engineering Fair (LSEF) 2018
How Does Pass Thickness Impact the Thermal Conductivity of Spray Polyurethane Foam?

NRL Summer Poster Session 2017
Creating a Tool to Visualize Data Clusters

HONORS

1st Place- Engineering Mechanics Category— *GNOSEF 2018*
2nd place- Senior Division Achievement Award — *GNOSEF 2018*
Presented by the Greater New Orleans Section of the American institute of Aeronautics and Astronautics