

## Education

- Present **Masters in Data Science**, *University of Central Florida*, Orlando FL.
- April 2021 **Bachelors of Science in Physics with Minors in Mathematics and Data Science**, *Florida Atlantic University, Harriet L. Wilkes Honors College*, Jupiter FL, Honors Thesis: *Automatic Fish Tracking: Keeping Track of Who's Who* - A report on data manipulation for use in fish behavioral prediction.
- May 2017 **Graduate with Honors**, *JJ Pearce High School*, Richardson TX.

## Experience

- May 2021– Present **Data Scientist**, *Research & Data Science Services, Office of Information Technology, Southern Methodist University*, Dallas, Tx, Intern.
- Developed scripts for cleaning large sets of scraped web data.
  - Performed clustering analysis to fuzzy-sort out non-viable data.
  - Provided data analysis support for multiple research projects.
  - Planned, priced out and proposed a Jetson cluster
- Jan 2019– April 2021 **Teaching Assistant - Physics 1 and 2 Labs**, *FAU Honors College*, Jupiter, FL.
- Assisted with creation and implementation of organizational system for lab.
  - Demonstrated labs via remote and in person learning. Assisted students with experiments.
- June 2019– Aug 2019 **Assistant Teacher**, *Milagro Foundation*, Boca Raton, FL.
- Taught underserved and at-risk grade 4-6 children science through hands on experiments.
  - Assisted in teaching k-3 children math skills.
- June 2014– Aug 2017 **Senior Camp Counselor, Camp Counselor**, *Jewish Community Center*, Dallas, TX.
- Oversaw fellow counselors in planning and leading activities for children.
  - Mentored elementary age children in safe and engaging activities such as crafts, sports, swimming, and song.

## Awards

- April 2, 2021 FAU Annual Undergraduate Research Symposium. Presented thesis.
- Mar 30, 2018 FAU Annual Undergraduate Research Symposium. Selected to present interactive art.
- May 2014 Eagle Scout, Boy Scouts of America

## Technical Experience

- languages Python, Markdown, R, C++
- technologies Vim, L<sup>A</sup>T<sub>E</sub>X, Jupyter Notebooks, Numpy, Pandas

## Selected Projects and Thesis

- Github <https://github.com/ASpraggin>
- Thesis <https://github.com/ASpraggin/FishTracking/blob/master/report/spring%202021/report.pdf>