

Education

- Aug 2021 – **Select Masters level classes in Data Science**, *University of Central Florida*, Orlando
Apr 2024 FL
- April 2021 **Bachelors of Science in Physics with Minors in Mathematics and Data Science**,
Florida Atlantic University, Honors College, Jupiter FL,
Honors Thesis: Data manipulation for use in fish behavioral prediction
- May 2017 **Graduate with Honors**, *JJ Pearce High School*, Richardson TX

Relevant Expertise

Electricity and Magnetism, Data Science (Undergraduate and Graduate), Differential Equations, Discrete Math, Micro and Macro Economics, Set Theory, Matrix Theory, Data Visualisation, Solid Mechanics, Algebraic Principles, Computational Science, Computational Social Science, Econometrics, Big Data Analytics, Thermal Physics, Machine Learning, Data Visualizations, Data Modeling, Data Engineering

Algebraic Principles, Big Data Analytics, Computational Social Science, Data Modeling, Data Engineering, Data Science, Data Visualisation, Set Theory, Matrix Theory, Machine Learning,

Experience

- Sep 2022 – **Data Science Consultant**, *Contractor*
Present
 - Wrote code and provided other deliverables to specification.
 - Performed data analysis on client datasets.
 - Implemented algorithms to answer client questions.
- June 2021 – **Leasing Agent**, *Riverwind at Alafaya Trail*, Oviedo, FL, Leasing Agent
Aug 2022
 - Project management.
 - Incident triage and mitigation.
 - Customer advocate in communication with management.
- May 2021 – **Data Scientist**, *Research & Data Science Services, Office of Information Technology*,
Aug 2021 *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.
 - Designed, specified, and sourced a Jetson cluster.
- Jan 2019– **Teaching Assistant - Physics 1 and 2 Labs**, *FAU Honors College*, Jupiter, FL
April 2021
 - Assisted with creation and implementation of organizational system for lab.
 - Demonstrated labs via remote and in person learning. Assisted students with experiments.
- June 2019– **Assistant Teacher**, *Milagro Foundation*, Boca Raton, FL
Aug 2019
 - Taught underserved and at-risk grade 4-6 children science through hands on experiments.
 - Assisted in teaching k-3 children math skills.

- June 2014– **Senior Camp Counselor, Camp Counselor**, *Jewish Community Center*, Dallas, TX
Aug 2017
 - 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, Invited Presenter.
Mar 30, 2018 FAU Annual Undergraduate Research Symposium. Selected to present interactive art.
May 2014 Eagle Scout, Boy Scouts of America
Dec 2015 Elected to the National Honor Society, JJ Pearce High School, Richardson, TX
Mar 2014 BSA Order of the Arrow Brotherhood. Recognized for service.

Extracurricular Activities

- 2017–Present Member, FAU Intramural Foam Sword Fighting Team (Dagorhir)
July 2017 1st degree black belt, Karatedo

Technical Experience

- Languages Python, Markdown, R, C++, SQL, SAS, Julia, Java
Technologies Vim, L^AT_EX, Jupyter, Numpy, Pandas, Linux, Office, Slurm, Singularity
Analytics Apache Spark, Tableau, Azure, Aws, PowerBi, git, Excel, SQL Server, Databricks, Oracle
Office Word, Powerpoint, Excel, Onlyoffice and Google equivalents

Selected Projects and Thesis

- Website aspraggin.github.io
Thesis github.com/ASpraggin/FishTracking/blob/master/report/spring%202021/report.pdf
Thesis <http://purl.flvc.org/fau/fd/FAUHT00162>