Aryeh (Ari) Spraggins

Education

Aug 2021 – Apr 2024	**Select Masters level classes 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, Honors College*, Jupiter FL, Honors Thesis: Data manipulation for use in fish behavioral prediction
April 2021	**Bachelors of Science in Physics**, *Florida Atlantic University*, Jupiter FL
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 – Present	**Data Science Consultant**, *Contractor* ○ Wrote code and provided other deliverables to specification. ○ Performed data analysis on client datasets. ○ Implemented algorithms to answer client questions.
June 2021 – Aug 2022	**Leasing Agent**, *Riverwind at Alafaya Trail*, Oviedo, Fl, Leasing Agent ○ Project management. ○ Incident triage and mitigation. ○ Customer advocate in communication with management. ○ Acted as first point of contact for potential residents. ○ Kept and organised files relating to both residents and ongoing tasks.
May 2021 – Aug 2021	**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. ○ Designed, specified, and sourced 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.

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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, 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, LaTeX, Jupyter, Numpy, Pandas, Linux, Office, Slurm, Singularity
Analytics	Apache Spark, Tablou, Azure, Aws, PowerBi, git, Excel, SQL Server, Databricks, Oracle
Office	Word, Powerpoint, Excel, Onlyoffice and Google equivalents
Soft Skills	Customer Management, Communication, Organisation
Other Softwares	Onesite

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