

## EDUCATION

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- **Florida Polytechnic University** Lakeland, FL  
*Bachelor of Science in Data Science, concentration in Big Data Analytics* *Aug. 2016 – May 2020*
- **Certifications**  
*Google Data Analytics Professional Certificate*

## EXPERIENCE

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- **Florida Polytechnic University** Lakeland, FL  
*Research Assistant* *Mar. 2019 - Present*
  - **Data Analysis:** Working under Dr. Jim Dewey to assess the educational and financial impacts of charter schools in Florida. Constructed models to support an academic paper in R and Stata.
  - **Data Cleaning:** Accountable for maintaining a reliable and up-to-date dataset. Worked with several government data sources using vectorization, unsupervised learning, fuzzy string matching, and Google Cloud Platform.
  - **Metric Creation:** Implemented various measures of charter school competition using high-performance linear algebra.
- Music Association Treasurer* *Mar. 2019 - Mar. 2020*
  - **Treasurer:** Highly active club member liable for RSO finances, inventory, and documentation. Facilitated equipment purchases as well as the funding of a concert attended by hundreds of people.

- Polk County Learning Resource Center** Lakeland, FL  
*Academic Tutor* *Sep. 2019 - Jun. 2021*
  - **Academic Tutor:** Assisted middle-school and high-school aged kids with academic fundamentals and personal growth. Cultivated a positive reputation through dedication to more than 15 students.

- STMicroelectronics** Remote  
*IoT Developer* *Dec. 2020 - Feb. 2021*
  - **Alexa Integration:** Integrated the STM32 Discovery Board with AWS IOT, Lambda, and Amazon Alexa Frameworks. Deployed a cloud-based data pipeline and Alexa skills.
  - **Documentation:** Provided detailed documentation for reproducibility.

- Refresco** Lakeland, FL  
*Data Analyst* *Oct. 2019 - May. 2020*
  - **Leadership:** Led a team of five to diagnose manufacturing inefficiencies using sensor data.
  - **Data Analysis:** Produced a cost-benefit analysis to guide business decisions, with an estimated savings of \$100,000. Provided compelling data visualizations, KPI-based calculations, and literature review.

- Grizzard Real Estate** The Villages, FL  
*Freelance Software Developer* *Jun. - Aug. 2017*
  - **Back-end Software Development:** Contacted by Ira Miller. Collaborated with a front-end developer to build a web platform for viewing local open houses. Developed database and server using MySQL and PHP.

## TECHNICAL EXPERIENCE

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- **Languages:** R, Python, SQL, C, C++, Java, Javascript, Swift, PHP, Julia, HTML, CSS.
- **Technologies:** AWS, OpenCV, TensorFlow, Google Cloud Platform, Docker, Stata, MATLAB, Tableau, Excel, SSMS, Git, LaTeX.
- **Coursework:** Computational Linear Algebra, Machine Learning, Data Warehousing, Data and Text Mining, Operations Research, Data Structures and Algorithms, Time-Series Modeling and Forecasting, Database II, Economic Analysis for Technologists, Computer Architecture, Statistics.