

Owen Dostie

<http://owendostie.github.io/>

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EDUCATION

- **Florida Polytechnic University**

Bachelor of Science in Data Science, concentration in Big Data Analytics

Lakeland, FL

Aug. 2016 – May 2020

- **Certifications**

Google Data Analytics Professional Certificate

EXPERIENCE

- **Florida Polytechnic University**

Research Assistant

Lakeland, FL

Mar. 2019 - Present

- **Data Analytics:** 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 Engineering:** 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.
- **Linear Algebra Implementation:** Implemented production-level code for 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**

Academic Tutor

Lakeland, FL

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**

IoT Developer

Remote

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, dashboard, and Alexa skills.
- **Documentation:** Provided detailed documentation for reproducibility, used by numerous teams across the company.

- **Refresco**

Data Scientist

Lakeland, FL

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 as data visualizations, KPI-based calculations, literature review, and other BI services.

- **ERA Grizzard Real Estate**

Freelance Software Developer

The Villages, FL

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

- **Languages:** R, Python, SQL, C, C++, Java, Javascript, Swift, Julia, HTML, SCSS, PHP, Bash, PowerShell, Perl.
- **Technologies:** AWS, OpenCV, TensorFlow/Keras, Google Cloud Platform, Docker, Linux, 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.