KAYLEN T. TON

Tampa, FL || kaylent2k@gmail.com || 502-295-2832 || linkedin.com/in/kaylenton || github.com/KaylenTon

EDUCATION

UNIVERSITY OF SOUTH FLORIDA   Tampa, FL
Bachelor of Science in Information Science | GPA: 3.88/4.0   Expected Summer 2026

Relevant Coursework: Data Science, Advanced Statistics & Analysis, Predictive Analytics, Data/Text Mining, Visual Analytics, R Programming for Data Science, Database Concepts, Object-Oriented Programming, Decision Intelligence Studio, Agent-Based Modeling
Certifications & Training: Microsoft Office Specialist (PowerPoint, Word, Excel) – Certiport, Entrepreneurship and Small Business – Certiport

SKILLS

Languages:	R, SQL, Python, Java, C++, Lua
Data Analysis:	Data collection, cleaning, wrangling, mining, machine learning, statistical modeling
Visualization:	ggplot2, Tableau, Plotly, R Shiny
Databases:	PostgreSQL
Tools:	Excel, Access, RMarkdown, Quarto

PROJECTS

LDA Topic Modeling Covid-Related Tweets | *R, tidyverse, LDA, text mining*
- Processed and cleaned a dataset of 500,000+ COVID-19 tweets using R, performing text normalization, stop-word removal, stemming, and tokenization to prepare data for NLP analysis.
- Built a Document-Term Matrix and implemented LDA topic modeling, iteratively tuning k-values (number of topics) and assessing topic coherence across three distinct time periods.
- Analyzed temporal topic shifts, identifying a transition from pandemic updates (2020) to vaccine distribution and mandate discourse (2021), demonstrating data-driven insight extraction from unstructured text.

Country Doctor Medical Database | *SQL, Access*
- Designed and implemented a fully normalized relational database to manage patient records, doctor schedules, appointments, services, medical supplies, and vendors.
- Built interconnected tables using primary/foreign keys and enforced 1NF, 2NF, and 3NF normalization to ensure data integrity and efficient querying.
- Developed SQL queries to analyze patient visit frequency, top services, and weekly appointment scheduling trends.

Holiday R Package | *R - devtools, usethis, tidyverse, ggplot2*
- Built a custom "toymaker" pseudo-dataset (1,225 observations) using domain-informed statistical distributions to support exploratory data analysis and regression modeling.
- Created holiday countdown functions with automated bar chart generation for time-based visualizations.
- Designed discrete and continuous color palettes and scale_* functions for holiday-themed data visualizations.

AFFILIATIONS

- Member, **Data Science Club**   May 2024 — Present
- Member, **GWC (Girls Who Code) College Loop**   Sept 2023 — Present
- Member, **Creative Writing Club**   May 2024 — Present

HONORS AND AWARDS

- Bright Futures Scholarship (Florida Academic Scholars) – Awarded for academic excellence and volunteer work
- 5th Place, Social Media Strategist Award – FBLA(Future Business Leaders of America) District Competition, 2021-22; Recognized for developing an effective social media strategy to engage a wide audience.