



ANDREW GERHOLD

DATA ANALYST

Contacts

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 <https://github.com/acgerhold>

Skills

- SQL
- Tableau
- PowerBI
- Git/Github
- Excel
- Python

Projects

Lahman Baseball - Group Project

Used SQL queries to answer a range of baseball related questions such as: "What range of years for games does this database cover?", or "Find the player who had the most success stealing bases in 2016, but had at least 20 attempts?", etc. Exported query results to Excel to provide further analysis in presentation

- SQL
 - Joining data frames (left/right, inner)
 - Subqueries
 - Data cleaning/transformation
- Excel
 - Created visuals from SQL query output
- [View Code](#)

Nashville Tech Storm - Group Project

Tasked with analyzing data containing the time and approximate location of calls to 911 during the Nashville tornado outbreak of March 2-3, 2020. Data also included time and location of units that were dispatched, along with geojson files showing the path and damage points of the tornado

- Coded all maps, graphs, and other visuals in Anaconda Python
 - geopandas, matplotlib, folium
- Took the role of "Team Lead"
 - Performed a daily standup
 - Set group deadlines
- [View Code](#)

About

I've always been skillful working with numbers and operating technology since a young age. I particularly enjoyed courses related to data analysis and science throughout my educational experience, motivating me to switch careers and enroll in NSS. My natural talent working with data and technology, coupled with my enjoyment for creating and sharing my work, I believe are traits of a successful data analyst.

Technical Experience

Data Analytics

Nashville Software School • 2021

The Data Analytics Bootcamp is an intensive, full-time program designed to prepare highly motivated adult learners for careers in analytics and business intelligence.

Students learn how to apply statistical reasoning through hands-on training in the most widely-used tools:

- Python in Jupyter Notebooks to create and document an analytics workflow
 - Read, clean, process, explore, and visualize data using the most prevalent libraries for data analysis
- Using spreadsheets to transform data
 - Use logic, conditionals, and formulas to create new data values; and generate statistical information
- Querying, joining, and aggregating data with SQL
 - Common challenges that businesses face when storing and using data in a SQL database
- Stages of the analytics workflow
 - Getting data, using Extract-Transform-Load (ETL) processes to store data for optimum use, analyzing data, and creating reports and dashboards
- Communicate findings via presentation and storytelling, building reports, and creating dashboards
- Real-world datasets and problems from various domains, such as healthcare, financial services, entertainment, consumer marketing/retail, and government
 - Projects executed primarily in a team environment to gain experience working with others on a multi-disciplinary project team.

University of Tennessee, Chattanooga • 2016 - 2020

- Management Science (MGT 3560)
 - Focus on model building, analysis, interpretation and decision making using linear programming, integer programming, goal programming and decision analysis (Excel, Access)
- Management Information Systems (MGT 3600)
 - Systems and information concepts; information systems analysis and design; including an integrative business project that includes problem identification, definition, requirements analyses, system design, and implementation (Excel)

Professional Experience

MANAGER

Peg Leg Porker Restaurant • May 2017 - August 2021

- Began as dishwasher, promoted to manager post-graduation
- Hire, train, and supervise employees
- Track stock levels of food, supplies, and equipment, forecast needs, and oversee ordering as necessary
- Address customer needs, comments, and complaints; maintain reputation of high-level customer service

EDUCATION

DATA ANALYTICS BOOTCAMP

Nashville Software School

BACHELOR OF SCIENCE, MAJOR IN BUSINESS MANAGEMENT

University of Tennessee, Chattanooga