Eliza Starr

Data Scientist

Charleston, South Carolina, USA
eliza.r.starr@gmail.com
linkedin.com/in/elizastarr1
www.elizastarr.com

Summary

Data Scientist with a solid foundation in computer science, mathematics, and statistics. Industry and Research experience in Residential Real Estate, Corporate Real Estate, and Hospitality and Tourism Management. Knowledgable about data cleaning and exploration processes, natural language processing, time series forecasting, supervised and unsupervised learning algorithms, and data visualization and storytelling.

Education

Bachelor of Science, Data Science   Aug 2015 - May 2019

College of Charleston

GPA 4.0 / 4.0

President's List of Highly Distinguished Honors

Bachelor of Arts, Computer Science   Aug 2015 - May 2019

College of Charleston

GPA 3.9 / 4.0

President's List of Highly Distinguished Honors

Work experience

Data Science Intern   May 2018 - Aug 2018

BoomTown

Utilized python and techniques such as classification, natural language processing, time series forecasting, and cluster analysis to extract information and predictions from sales, customer churn, and user data

Project Manager and Internal Marketing Intern   Apr 2016 - Aug 2016

Boeing

Reengineered a web-based Kanban board, contributing through front end, project manager, and UX roles

Created a repeatable process to visually market the business value of every IT function

Web Development Intern   Jun 2018 - Aug 2018

Yawper Ventures LLC

Developed the single-page website for the start-up company Yawper, now dissolved

Research

Text Analysis of Airbnb Reviews   Jul 2018 - present

Data Science Research, College of Charleston Hospitality and Tourism

Management

Investigates if Airbnb reviews reflect that guests' lodging experiences differ in meaningful ways as a function of the type of Airbnb accommodation used. This research paper is in the data analysis stage.

Visual and Text Analysis of Software Companies
Jan 2018 - present

Data Analytics Research, College of Charleston Real Estate

Analyzes the relationship of software company culture, core values, and project management methodologies on the demand for corporate real estate, impacting decisions regarding location, square footage, office design and amenities. This research paper is in review for publication.

Core Competencies

- Supervised Learning
- Unsupervised Learning
- Data Mining
- Artificial Intelligence
- Time Series Forecasting
- Visualization
- Business Analytics

- Parametric Statistics
- Statistical Inference
- Statistical Learning
- Linear Algebra
- Calculus
- Discrete Mathematics

- Algorithms
- Data Structures
- Databases
- Operating Systems
- Software Architecture
- Software Design

Skills

Languages

Python, SQL, Java, R, C, PHP

Databases

MySQL, PostgreSQL, MongoDB, Neo4j

Visualization

Plotly, Tableau

Collaboration

Git, GitHub, Agile methodologies, Kanban, Slack