

# Eliza Starr

## Personal Information

Email: eliza.r.starr@gmail.com

Website: elizastarr.com

Nationality: United States

Languages: English (native), French (intermediate)

## Education

**B.Sc. Data Science, B.A. Computer Science**

2015 – 2019

*College of Charleston*

– GPA 3,92 / 4,00

– Business Analytics emphasis

## Research Interests

Adaptive User Interface, Automated Machine Learning, Data-Driven User Experience, Data Ethics and Responsibility, Model Interpretability, Process Mining Applications

## Work Experience

**Data Science Intern**

Summer 2018 – Present

*BoomTown*

- Create predictive models that serve both BoomTown and its clients in the residential real estate domain
- Utilize classification, natural language processing, time series forecasting, and cluster analysis techniques

**Web Developer**

Spring 2018, 2017

*Freelance*

- Developed campaign websites for Student Government candidates using Bootstrap and Google Analytics

**Information Technology Intern**

Summer 2016

*Boeing*

- Reengineered a web-based collaboration platform, impacting 9.000 employees
- Standardized an internal marketing process to visually communicate the business value of every IT function

**Web Development Intern**

Summer 2015

*Yawper*

- Developed a landing page for the company's mobile application using Bootstrap and AWS Cloud9

# Academic Experience

## Undergraduate Research Assistant

Spring 2018 – Present

*School of Business, College of Charleston*

- Analyze 2.5 million Airbnb reviews for emotion, sentiment, keywords, and concepts
- Perform visual and text analytics on the corporate real estate demands of software technology companies

# Manuscripts in Preparation

Guttentag, D., Litvin, S., Starr, C., & Starr E. (2019). *How Do Airbnb Guest Experiences Differ by Accommodation Type: A Text Analysis of Airbnb Reviews*. Manuscript in preparation, Department of Hospitality and Tourism Management, College of Charleston, Charleston, SC, USA.

Starr, C., Starr E., & Worzala, E. (2018). *The Impact of Software Company Culture and Project Management Methodology on Commercial Real Estate Location and Design*. Manuscript submitted for publication, Department of Finance, College of Charleston, Charleston, SC, USA.

# Competencies

## Statistics / Mathematics

Bayesian Statistics  
Calculus  
Graph Theory  
Linear Algebra  
Logic and Set Theory  
Probability and Statistics  
Statistical Learning Theory

## Data Science

Data Mining  
Data Visualization  
Dataset Management  
Supervised Learning  
Time Series Forecasting  
Unsupervised Learning

## Computer Science

Algorithms  
Data Modeling  
Data Structures  
Databases  
Operating Systems  
Software Architecture

# Skills

Computer Languages:

Python / Java / C / R

Data Science Platforms:

DataRobot / Anaconda

Databases:

MySQL / PostgreSQL / MongoDB / Redshift

Cloud Services:

Amazon Web Services / Microsoft Azure

Visualization:

Tableau / Plotly / Matplotlib / ggplot / seaborn

Collaboration:

Git / Docker / Jira / Scrum / Slack

# Awards and Scholarships

Computer Science Leading Edge Scholarship, *Department of Computer Science*

Enhanced Palmetto Fellows Scholarship, *South Carolina Commission on Higher Education*

Foundation Scholarship, *College of Charleston Foundation*

Frances and George Buell Memorial Scholarship, *Alumni Association*

Merit Scholarship, *College of Charleston*

Music Scholarship, *Department of Music*

President's List of Highly Distinguished Honors, *College of Charleston*