Eliza Starr

Personal Information

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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*