

HANNAH DEMAREST

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EMPLOYMENT HISTORY

Data Analyst Intern

BOK Financial

Tulsa, OK

May 2019 – Aug. 2019

- Worked independently to write queries and collect information from large databases using SQL.
- Brainstormed with the Consumer Banking team to identify customer trends and business needs.
- Initiated marketing strategy to target a previously untapped 7% of the consumer base.
- Presented key findings and recommendations to senior leadership through oral presentation and report, using slides and data visualizations as aids.
- Identified over 16,600 potential customers and created a target user profile using collected demographics. This information was used to give customers a more convenient, secure, and accessible banking experience through the usage of online and mobile banking platforms.

EDUCATION

Graduate Certificate in Geospatial Intelligence

University of Texas at Dallas

Richardson, TX

Expected Aug. 2021

Bachelor of Science in Computer Science

Oklahoma State University

Stillwater, OK

Aug. 2016 – May 2020

Bachelor of Science in Statistics

Oklahoma State University

Stillwater, OK

Aug. 2016 – May 2020

PROJECTS

DFW Home Value Prediction

Regression project utilizing geospatial Census data in R to predict the median home price in the Dallas/Fort-Worth area. Multiple variables from each Census tract, including median age, household income, percent unemployment, and buying power, were used to create the most successful predictive model. Visualizations and maps were included to support the analysis. Project was presented in written report.

- R, RStudio

“GardenER” Diagnostic Tool

Created a custom database and web application to help users solve common plant-related problems based on their input and provided the most likely solution. Application also included a custom garden planner tool, which utilized SQL to search the database and provide users with a list of compatible plants based on their preferences.

- MySQL, PHPMyAdmin, HTML/CSS

TECHNICAL SKILLS

Programming Languages: SQL, R, Python, Java, C/C++, familiar with HTML/CSS, SAS, Kotlin, Swift

Statistics: Data analysis, regression analysis, experimental design, ANOVA, data visualization

Other Software: MS Excel, Slack, Oracle Databases, MySQL, familiar with PowerBI, Tableau

Languages:

- English – Native Fluent
- Russian – Elementary Proficiency