Savannah Sew-Hee

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ABOUT

As an undergraduate, I took Computer Science courses that sparked an interest in programming and making predictions using data. After teaching high school math and using python and excel to create student data visualizations, I fell in love with the data science process and made the decision to pursue a career as a data scientist. Teaching taught me how to work hard, communicate clearly, and never stop learning. Now I am ready to take these skills and apply them as an irreplaceable member of your data team!

EDUCATION

Nashville Software School | Nashville, TN
Data Science Bootcamp | Certificate | Spring 2021
Statistics for Data Science | Certificate | Summer 2020

Lipscomb University | Nashville, TN
Major: B.S. in Secondary Mathematics Education | Spring 2018
Minor: Spanish | GPA: 3.9

TECHNICAL SKILLS

- Python (pandas, NumPy, matplotlib, plotly, dash, regex, seaborn, beautifulsoup, scikit-learn, PyTorch...)
- R (tidyverse, shiny, ggplot2, dplyr, plotly...)
- SQL (MySQL, PostgreSQL, NoSQL)
- Git (GitHub)
- Advanced Excel (VLOOKUP, PivotTable, PV function...)

EXPERIENCE

Data Science Apprenticeship | Nashville Software School | 2020 – Present

Nashville Software School: 9-month intensive data science apprenticeship focusing on the hands-on training in software engineering skills required to solve real-world data science problems.

Museum of Modern Art Inventory Analysis

- Created a dashboard to provide a snapshot of the artists represented in the museum
- Used time series analysis to visualize how art acquisition has changed over time
- Used text mining (UMAP dimensionality reduction) to identify similar artworks by analyzing medium descriptions

Employee Retention for Human Resources

- Used binary classification to predict whether an employee would be retained for the following work year
  Compared Logistic Regression and Random Forrest Models to see which provided a higher accuracy score

Job Scheduling for Large Computing Cluster

- Identified commonly failing nodes, and assisted in job scheduling for a large computing cluster
- Presented findings to stakeholder using visualizations and storytelling
- Worked in a team using Agile methodology and Kanban boards

Tennessee Seismic Activity Mapping

- Geospatial analysis of TN historical seismic activity to determine what regions to allocate earthquake relief funds
- Hands-on experience applying skills in cleaning and aggregating data from multiple sources

Certified Teacher | Student Teacher | 2017 – 2020

Rutherford County Schools | Integrated Math III | Honors Integrated Math III | Murfreesboro, TN

Metro Nashville Public Schools | AP Calculus | Integrated Math III | Honors 7th Grade Mathematics | Nashville, TN

- Created individualized learning plans to prepare each student for end-of-year testing. This resulted in receiving top LOE (Level of Effectiveness) score as a teacher for my students' growth and achievement.
- Presented student data to administration in monthly data meetings
- Used programming (python) to analyze student data more efficiently
- Collaborated in a team to successfully create effective lesson plans

Lipscomb University Math Tutor | 2015 – 2018

- Tutored upper-level mathematics including Calculus 3, Linear Algebra, and Statistics to undergraduate students