Fangju (Rosy) Lin

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EDUCATION

Georgia State University, J. Mack Robinson College of Business; GPA: 3.87/4.0   Atlanta, GA

Bachelor of Business Administration in Computer Information Systems   Dec, 2022

- Relevant Courses: System Analysis, Database Management, Data Programming, Unstructured Data Management, Big Data Analytics, Corporate Finance

SKILLS & CERTIFICATION

- **Programming & Tools:** Python, R, PostgreSQL, Tableau Desktop, Tableau Prep Builder, GitLab
- **Machine Learning Modeling:** Logistic Regression, XGBoost, SVM
- **Certification & Relevant Training:** AWS Academy Cloud Foundations

EXPERIENCE

Fulton County Government   Sep 2022 – Dec 2022

Data Analyst Intern | Court Automation Team

- Analyzed factors influencing court cases duration using R and optimized court case management system so the case can move faster
- Used Machine Learning models with random forest in tidymodel format, XGBoost, SVM to reduce duration of court cases
- Deployed Machine Learning models to production server, created and maintained interactive Tableau dashboards to report data and simplify data presentation
- Translated insights from Machine Learning models to a business-understandable language to clients

PROJECTS PORTFOLIO

Loan Default Prediction Machine Learning Project

- Performed Logistic Regression, KNN, Decision Tree, and Random Forest, Neural Network to predict individual loan default using Python Sklearn
- Analyzed correlation between variables and reselected variable by stepwise algorithm using Significant Levels as an indicator to improve accuracy of Logistic Regression Model.

Breast Cancer Prediction Machine Learning Project

- Built Machine Learning models with Logistic Regression, Random Forest, KNN, and Neural Network to classify breast mass with 96% accuracy in R
- Performed PCA to reduce information overlap and applied K-fold cv to solve the overfitting issues

Online Shopping Customer Behavior & Trend Analysis

- Conducted analysis using R to help identify market trends based on historical e-commerce data
- Created a Tableau dashboard that displayed visualizations of market trend data
- Gathered data insights and suggested solutions to increase overall sales and boost profits

Vegetarian Recipe Sharing Web Application

- Developed a web platform for vegetarian and vegan community to easily share and discover recipes using Python Flask framework, CSS, HTML, JavaScript
- Constructed and maintained PostgreSQL database to store and manage user and post data.

VOLUNTEER EXPERIENCE

Atlanta Chinese School   Aug 2021 – Feb 2022

Teacher

- Managed a classroom of 8 students ranging ages from 5-8 and experiences with Conversational Chinese from elementary to intermediate level.
- Developed learning materials, games, and team-building activities encouraging students to incorporate language learning into daily living.