



# **PAST PROJECT PORTFOLIO**

**Updated: June 2021**



## **POINDEXTER'S UNIFORM COMPANY**

**Jacksonville, FL**

**September 2020 - December 2020**

### **PROJECT OVERVIEW**

Poindexter's Uniform Company orders and provides school uniforms to students enrolled in Private schools in Florida. Poindexter's serves 11 different schools throughout the state. The company requested a predictive tool to help them when taking on new schools. The goal of the project was to reduce waste in the pre-ordering of uniforms and predict how many uniform separates have to be ordered for new clients (schools).

### **FINAL DELIVERABLE**

A report summarizing the business requirements, data, results, and the future works; an Excel file with the Linear Programming models for the schools and model comparison; and a final presentation of results and recommendation directly to the client using PowerPoint.

### **PROJECT TEAM COMPOSITION**

- 1 Project Manager
- 1 Graduate Student Mentor
- 5 Operations Analysts
- 3 Technology Analysts

### **SKILLS & CONCEPTS UTILIZED**

- Operations Research
- Statistics
- Lean Principles
- Optimization
- VBA
- Microsoft Excel
- Tableau



## **TISSINI**

**Miami, FL**

**September 2020 - December 2020**

### **PROJECT OVERVIEW**

TISSINI is a for-profit social enterprise that offers low-income US Hispanic immigrant women an opportunity to earn extra income and provide for their families. Through a single-level direct sales model, TISSINI's clients -called Emprendedoras- purchase wholesale a variety of fashion and home goods sourced from Latin American partners and sell them for a profit. TISSINI sought to optimize their current strategies and/or implement new ones to allow the client to attract new, successful Emprendedoras and retain them. Additionally, the client wanted to find a predictor to help them to avoid the churn of those Emprendedoras and help them to achieve their goals, as well as to predict and prevent their attrition.

### **FINAL DELIVERABLE**

Performed a trend analysis on empirical data to create assumptions and hypothesis testing in order to make recommendations on how to increase the number of relevant clients as well as increasing client retention and lifespan. The final data and recommendations were presented in the form of a report, which outlined the assumptions, methods, and programs used as well as the final recommendations to solve the client's problem.

### **PROJECT TEAM COMPOSITION**

- 1 Project Manager
- 1 Graduate Student Mentor
- 5 Operations Analysts
- 3 Technology Analysts

### **SKILLS & CONCEPTS UTILIZED**

- Classification Algorithms
- Data Analysis
- Regression
- Cluster Analysis
- Association Analysis
- Communication Skills
- Tableau

## **INSTITUTO LUIZ MARIO MOUTINHO**

**Recife, Brazil**

**September 2020 - December 2020**

### **PROJECT OVERVIEW**

Instituto Luiz Mario Mountinho is a Law Institution that provides graduate Law specialization courses. The institute's main goal is to broaden its audience and its course portfolio. Initially, the institute only offered classes in-person, and they desired to expand the class options to hybrid and asynchronous. More specifically, the institute needed to understand both their current and desired audiences in order to create tailored courses, as well as invest in optimizing their digital marketing strategies in order to retain those clients and provide the best experience possible.

### **FINAL DELIVERABLE**

Produced visualizations to help client understand what content their student base is interested in learning, improvements that need to be made in regards to data collection, and data they are effectively collecting. Created student survey to reflect these improvements.

### **PROJECT TEAM COMPOSITION**

- 1 Project Manager
- 1 Graduate Student Mentor
- 5 Operations Analysts
- 3 Technology Analysts

### **SKILLS & CONCEPTS UTILIZED**

- Digital Marketing
- Data Analysis
- Data Collection



## **ALPHA TECHNICAL SOLUTIONS**

**Washington D.C., USA**

**September 2020 - May 2021**

### **PROJECT OVERVIEW**

Alpha Technical Solutions was founded by technologists with the desire to help businesses solve the problems that matter to them most. With experience in Software Development, Data Engineering and Big Data Analytics, our expert team is committed to helping small and medium size businesses thrive in an increasingly connected world.

### **FINAL DELIVERABLE**

Website encompassing the core values/services ATS has to offer.

### **PROJECT TEAM COMPOSITION**

- 1 Project Manager
- 1 Graduate Student Mentor
- 7 Operations Analysts

### **SKILLS & CONCEPTS UTILIZED**

- Web Development
- Problem Solving
- Critical Thinking
- Collaboration

## **Construtora SAM**

**Recife, Brazil**

**January 2021 – Current**

### **PROJECT OVERVIEW**

Construtora SAM is an infrastructure company located in Recife, Brazil. They currently have construction work teams spread out across different states, and their main form of communication is the application “Telegram”. They have been using Telegram to collect data such as: login hours, operator’s location, service update reports, and assistance from supervisors. The client also has multiple “groups” on Telegram which vary depending on the type of service, team size, or location of the project. Construtora SAM needs a recommendation on how to improve their main method of communication, and possibly an application that can capture data from either Telegram or the recommended alternative communication method, so they can keep a database.

### **FINAL DELIVERABLE**

The team’s project will include written reports and data visualization highlighting the use of a full lean data analysis process to identify the potential alternative methods of communication. On top of that, the team will provide a solution to the client on how to collect the data from the current application, and possibly suggest the client follow through with a phase two project with S.I.F.T., where the team will develop this collection tool.

### **PROJECT TEAM COMPOSITION**

- 1 Project Manager
- 2 Student mentors
- 3 Technology Analysts
- 5 Operations analysts

### **SKILLS & CONCEPTS UTILIZED**

- Excel, Tableau
- Data Analysis
- Data Collection
- Python
- Critical thinking



## **TEXT TO HOST**

**Gainesville, FL, USA**

**January 2021 - May 2021**

### **PROJECT OVERVIEW**

Text to Host is a small company seeking ways to provide less expensive server time for groups of people to play Minecraft together. The goal is to provide “to the second” billing with instant access to a server.

### **FINAL DELIVERABLE**

Testing and analysis of different server profiles for stability.

### **PROJECT TEAM COMPOSITION**

- 1 Project Manager
- 1 Student Mentor
- 3 Operations Analysts
- 4 Technology Analysts

### **SKILLS & CONCEPTS UTILIZED**

- Problem Solving
- Critical Thinking
- Technologies
- Collaboration