

MARIO WIJAYA

mwijaya3.github.io • (770) 873-6218 • mwijaya3@gatech.edu • US Citizen

SUMMARY

MS Analytics candidate with emphasis on business intelligence and machine learning. Looking for a position in consulting or data scientist role to help company make informed business decision using big data.

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Master of Science in Analytics

Atlanta, GA

May 2018

- Track: Analytical Tools, Business Analytics, and Computational Data Analytics

GEORGIA INSTITUTE OF TECHNOLOGY

Bachelor of Industrial & Systems Engineering (Operations Research) - Highest Honor

Atlanta, GA

May 2017

- Awards: Kurt Salmon Associates Scholarship in Industrial and Systems Engineering

SKILLS

Programming/Software/Database: C, D3.js, Java, PHP, Python, R, Gephi, Matlab, Arena, Simio, MiniTab, SQL, MySQL

Analytical Techniques: Clustering, Forecasting, Machine Learning, Optimization, Regression, Simulation, Stochastics

Languages: English, Chinese Taiwanese, Chinese Mandarin, Bahasa Indonesia, Standard Malay

EXPERIENCE

SUNTRUST BANKS INC.

Atlanta, GA

Business Analyst

Jun 2017 - Aug 2017

- Data mined using Python script to support sustainability strategies to reduce 2% of air travel annually by equipping audio devices to employees, shift 5% of the domestic flights to a carbon efficient airline, and convert default rental car option to economy resulting in reduction of 1.9M lbs. of CO₂ and \$1.2M savings over span of 5 years
 - **Resulting Award:** Winner of 2017 GT Carbon-Reduction Challenge (selected from among 10 teams)
- Reverse engineered Operational Loss dashboard by mapping the underlying code of the dashboard to the databases that provide summary of operational losses and forecast data of the bank transactions
- Optimized Operational Loss dashboard with 2 additional COGNOS reports and redesigned user interface, while considering client's needs and usability
- Designed and built an internal SharePoint site to improve onboarding experience for new employees in Enterprise Data Organization

W. L. GORE & ASSOCIATES INC.

Flagstaff, AZ

Operations Analyst

May 2016 - Aug 2016

- Devised a time-based load shipment frequency proposal to maximize usage of a sterilization chamber generating in annual savings of \$220K in sterilization cost
- Developed a plan to level load shipment frequency to decrease the overcapacity of a sterilization chamber resulting in annual savings of \$66K in sterilization cost
- Achieved \$27K reduction in annual transportation spending by optimizing shipping practices
- Relocated consolidation point and adjusted routing schedule decreasing lead time by a day

ANALYTICS RESEARCH

GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, GA

Material Analytics Research

Jan 2016 - May 2016

- Utilized statistical modeling to model material process and minimize real-life experimentation costs
- Used model to facilitate the decision of process conditions for getting materials with certain properties
- Created a predictive model using big data analytics tools to optimize material designs and facilitate decision

PROJECTS

- Predicting S&P 500 Moving Average (Course - Advanced Optimization) - Developed Support Vector Machine model with Stochastic Gradient Descent to predict leading/trailing of stocks with 80% accuracy and beat Scikit-learn accuracy by 5%. Used Neural Networks and Naïve Bayes approach to compare the accuracy of SVM model. Python
- Improving Patient Wait Times (Capstone - Atlanta VA Medical Center) - Worked with a team to create a simulation model to reduce patient wait times in the Oncology Center by 75 minutes and to have an indirect savings of \$360,000 per year; Wrote VBA macro to create a clear representation of the utilization of beds and chairs; Based on future growth, provided an expansion layout of the new acquired space. Arena, Excel - VBA
- Ticket Management System (Course - Database Systems) - Developed a Graphical User Interface application to manage train tickets systems. Designed the database and its tables by creating Informational Flow, Relational Schema, and Enhanced Entity Relationship Diagrams. Python, MySQL, SQL
- Sales Price of Laptop (Course - Regression and Forecasting) - Created a regression model to determine significant factors that affected the sales price of laptop based on specifications. Minitab, Excel

LEADERSHIPS/ACTIVITIES/INTERESTS/VOLUNTEERS

Leadership: President of Georgia Tech Badminton Club (2016-2017), Treasurer of Georgia Tech Badminton Club

Club/Activities: Badminton Club at GT, Data Science at GT / Reading, Running, Watching Movies and Hiking

Volunteer: Atlanta BeltLine - Laid sod, planted climbing vines, and mulched a nature path to the Atlanta BeltLine Westside Trail at Holderness Site partnered with SunTrust (July 2017)