

Mario Wijaya

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Education

- Aug 2017 – May 2018 **Master of Science, Georgia Institute of Technology, Atlanta, GA**
Analytics
Relevant Coursework: Data & Visual Analytics, Machine Learning, Computational Methods, Information Visualization
- May 2015 – May 2017 **Bachelor of Science, (Highest Honor) Industrial & Systems Engineering, Georgia Institute of Technology, Atlanta, GA**
Operations Research
Relevant Coursework: Data Input/Manipulation, Stochastic System, Simulation, Deterministic Optimization

Work Experience

- May 2018 – **Data Scientist Nike.Inc.**
 - Built a machine learning model to predict whether the shipment mode is effective or ineffective
 - Used machine learning model to predict customer service call based on customer attributes with AUC of 0.89
- Dec 2017 – May 2018 **Developer/Analyst Vertaeon**
 - Developed an application using Node.js to automate data retrieval through API call for clients used for analysis
 - Created 2 Python scripts to automate data filtering process and output the information based on user's input
- Jun 2017 – Aug 2018 **Business Analyst Suntrust Banks Inc.**
 - Data mined using Python script to support sustainability strategies resulting in reduction of 1.9M lbs. of CO₂ and \$1.2M savings over span of 5 years
- May 2016 – Aug 2016 **Operations Analyst W.L. Gore & Associates Inc.**
 - 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

Academic Experience

- Jan 2018 – May 2018 **Graduate Teaching Assistant – Information Visualization, Georgia Institute of Technology, Atlanta, GA**
 - Taught visualization and programming concept using d3.js to 120+ students during lab session every Friday
 - Provided students with one-on-one visualization and programming tutoring during office hours

Academic Experience (continued)

Jan 2016 – May 2016 **Research Assistant – Material Analytics Research, Georgia Institute of Technology, Atlanta, GA**

- Utilized statistical modelling to model material process and minimize real-life experimentation costs
- Created a predictive model using big data analytics tools to optimize material designs and facilitate decision

Skills

Programming (Advanced)	Python, R
Programming (Intermediate)	C, Cplex, Hadoop – MapReduce, Hive, Java, Node.js, Pig, Spark, Xpress
Visualization	d3, React
Databases	MySQL, SQLite, Snowflake, Teradata
Web Dev	HTML, CSS, JavaScript
Software	Gephi, Matlab, Arena, Simio, MiniTab, Tableau, Qlikview
Cloud Platform (Intermediate)	AWS, Azure, IBM
Version Control	GitHub, GitLab
Analytical Techniques	Forecasting & Regression, Machine Learning, Deep Learning, Optimization, Stochastics, Simulation
Languages	English, Mandarin Chinese, Taiwanese Chinese, Bahasa Indonesia
Misc.	Badminton, Running, Hiking

Projects

MovieHunt	Created an interactive visualization system to help users find the next movies to watch. <i>d3, jQuery</i>
DisFood	Improving chronic disease control via food pantries using machine learning & visualization. <i>d3, Python</i>
Wine Quality	Used classification algorithms to predict whether a given wine is good/bad quality and regression to estimate wine quality using machine learning approach. <i>Python, R</i>
S&P 500 Moving Average	Developed Support Vector Machine Model with Stochastic Gradient Descent to predict leading/trailing of stocks with 80% accuracy and beat Scikit-learn base accuracy by 5%. <i>Python</i>
Ticket Management System	Developed a Graphical User Interface application to manage train tickets systems, designed the database and its tables by creating Informational Flow, Relational Schema, and Enhance Entity Relationship Diagrams. <i>Python, MySQL, SQL</i>

Miscellaneous Experience

Awards and Achievements

- 2017 **Carbon Reduction Challenge Winners (1st place)**, for the [sustainability project](#) at SunTrust which use analytics to come up with sustainability strategies
- Kurt Salmon Scholarship in Industrial and Systems Engineering**, Awards \$800