Daniel **Kurniawan**

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Education

Georgia Institute of Technology   **Atlanta, GA**
B.S. in Industrial and Systems Engineering   *August 2014 - December 2017*
- GPA: 3.55

Skills

Languages: Python, MySQL, MS SQL Server, Java, JavaScript, R, Scala, MATLAB
Libraries: NumPy, SciPy, Pandas, d3.js, matplotlib, seaborn, scikit-learn, flask, Swagger, Elasticsearch
Technologies: HTML5, CSS3, Hadoop, Spark, Pig, REST, JSON
Software: Tableau, Microsoft Azure, AWS, Weka, OpenRefine, Arena

Experience

SpaceX   **Hawthorne, CA**
Software Engineer, Machine Learning Intern   *May 2017 - August 2017*
- Trained and implemented a supervised learning classifier that predicts the proper disposition action for machine shop non-conformance defects to accelerate the issue handling process.
- Developed an natural language processing algorithm using topic modeling to identify and rank related issue tickets.
- Created a data partitioning strategy to minimize network latency and improve scalability throughout the data warehouse.

SpaceX   **Hawthorne, CA**
Data Engineer Intern   *May 2016 - September 2016*
- Performed large-scale data analysis using NumPy, Pandas, and SQL to build and automate a make vs. buy algorithm that drives strategy for outsourcing across various commodities within production.
- Created SSRS reports and dynamic Tableau visualizations to aid material planners in identifying potential cost/capacity savings, recovering material shortages, and releasing required work orders to production.

Dan Food Services Corporation   **Annapolis, MD**
Quantitative Analyst   *June 2013 - May 2015*
- Designed the labor vs. sales optimization program for restaurant operations by analyzing forecasted and historical sales data and airline traffic patterns in R.
- Developed a predictor model in Python (using NumPy and Pandas) and visualization in Tableau to determine an optimal amount of inventory stock needed to meet variability in customer demand.

Projects

FairEstimate   **January 2017 - July 2017**
- Led the development of a web application built around the Google Maps and Uber APIs to compare and visualize real-time cost and trip duration estimates for different rideshare services.
- Developed a neural network to train a model with 98% accuracy to predict taxi fares using the NYC Taxi dataset (>20 mil records).

Fancy Hotels   **January 2016 - May 2016**
- Designed and implemented an interface for customers to make, update, review, and cancel hotel reservations using the classical methodology for database development and relational DBMS for SQL.
- Developed data storage methods and user interfaces for the application in Python and SQL.

Leadership

Data Science @ Georgia Tech   **Atlanta, GA**
Education Lead   *August 2016 - Present*
- Prepared and implemented education curriculum for weekly meetings.
- Consolidated materials and research into a data science book to be published for team members.