

Daniel Kurniawan

☎ (+1) 443-956-6027 | ✉ danieljkurniawan@gmail.com | 🏠 dkurniawan3.github.io | 📷 dkurniawan3 | 📺 dkurniawan3

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.