

RYAN REED

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EDUCATION

Georgia Institute of Technology, Atlanta, GA

August 2014 – Present

- Candidate for Bachelor of Science in Industrial Engineering – 3.36 GPA

Expected Graduation: Dec 2018

Relevant Coursework:

- Machine Learning, Advanced Simulation, Data Structures and Algorithms
- Data and Visual Analytics, Regression and Forecasting, Database Systems, Business Analytics
- Optimization, Supply Chain Logistics, Stochastic Manufacturing and Service Systems, Quality Control

EXPERIENCE

Technology Analyst Intern, Southwest Airlines, Dallas, TX

May – August 2017

- Utilized Teradata SQL, Alteryx, and Tableau to extract, clean, and visualize over 100,000 flight delay and IT support records to determine potential correlations
- Visualized 10,000+ metadata records of company departments to target inefficient software users and discover department trends using Tableau and Alteryx
- Designed a solution for a mobile application allowing dependents to book and create their own non-revenue flight listings, potentially affecting over 50,000 employees and their families; presented solution to CIO and her Senior Leadership team

Plant Operations Intern, Iron Mountain – Secure Shred, Atlanta, GA

June – December 2016

- Created a metric/lost time tracking database to analyze employee performance
- Analyzed supply trends to justify target adjustments and determine appropriate production targets
- Utilized root cause analysis to solve machine performance issues

Foundry Operations Intern, American Casting Company, Hollister, CA

June – August 2015

- Completed time studies for manufacturing processes on the production line
- Assisted in designing (using SolidWorks), 3D printing, casting, and machining of 2 prototype belt buckles
- Aided in designing of production line for potential future foundry

COMPETITIONS

Accenture Innovation Challenge 2017, National Quarter-Finalist

Spring 2017

- Developed an “Engagement Level System” for Habitat for Humanity to retain millennial involvement

Georgia Tech Datathon, 2nd Place

October 2016

- Utilized World Bank datasets and a stepwise multiple regression model to determine risk factors that contribute to adult gender inequality around the world

SKILLS

Field Related:

- Lean: 5S, inventory control, and Kanban
- Proficient in Agile development
- Six Sigma and Lean Green Belts (IISE certified)

Programming:

- Python, Java, SQL, SQLite, VBA
- Experience with JavaScript, Apache Spark, Scala, Pig, and Hadoop for Data Science applications

Software:

- Strong knowledge of Microsoft Access and Excel
- Data Visualization/Cleaning: Tableau, Alteryx, D3.js, Gephi
- Modeling and Prototyping: R, SKLearn, Simio, SolidWorks
- Big Data Tools: Basic experience with Microsoft Azure and Amazon Web Services

LEADERSHIP/INVOLVEMENT

Secretary, Rush Chair, VP of Brotherhood, Phi Sigma Kappa Fraternity

August 2016 – August 2017

- Secretary – Executive board member: Contributing voice to fraternity wide governing body, recorded chapter minutes and created alumni and parent newsletters
- Rush Chair – Revamped recruitment techniques, resulting in our largest increase in membership in over 15 years
- VP of Brotherhood – Organized brotherhood events for the fraternity
- Participated in various philanthropic events such as community clean up and packaging food for the homeless

Executive Leadership – Technology Team, Data Science at GT

September – December 2017

- Maintained datasets and created case studies for general body meetings