

Jonathan Lonski

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Clemson University, Freeman Hall Room 277

Industrial Engineer Applying Skills to Resilient Infrastructure Systems by Conducting Research Which Minimizes Economic Losses During Transportation System Shutdowns

Education: Rutgers University B.S. in Industrial and Systems Engineering Class of 2016

- Honors: Magna Cum Laude
Rutgers Engineering Honors Academy Graduate
Fall 2014 Alpha Pi Mu IE Honors Society Invitee (Current Member)
Fall 2014 Phi Kappa Sigma Foundation Scholarship Award Winner
Spring 2015 Estate of E.M. Toomey Scholarship Award Winner
Spring 2015 Material Handling Society of New Jersey Scholarship Award Winner
Fall 2015 General Engineering Scholarship Award Winner
- Research: *Energy Science and Nanotechnology Lab, Rutgers University (Summer 2015)*
-Developed Experiment to Test for Thermoelectric Properties as a RiSE Scholar

Clemson Ph.D Program in Industrial Engineering (Expected Graduation May 2021)

- Research: *National Science Foundation Research Traineeship Program on Resilient Infrastructure Systems (Jan. 2018 - Present), Advisor Dr. Scott J. Mason*
-Conducting Research Which Minimizes Economic Losses During Transportation System Shutdowns
 - Collaborating with Frank Jezycki, VP of NYC Subway Transportation for Case Study*Research Assistant at Clemson University, Advisor Dr. Scott J. Mason*
 - Michelin North America (Clemson R.A. Aug. 2016-Jul. 2017)
 - Improving Method of Tracking Tire Shipments and Developing Ways to Analyze Results/Forecast Future Shipments
 - BMW (Clemson Research Assistant May 2017-December 2017)
 - Machine Learning to Predict When a Shipment Will Be Late
 - Clemson Football (Clemson Creative Inquiry Spring 2017)
 - Analyzing Game Data to Predict the Success of Offensive Play Calls

Work: Hermann Transportation Services (Summer 2013–Present)
–Research and Propose Fuel Efficient Trucking Options, Dispatched Trucks
–Created a Driver Incentive Program That Has Helped Save \$300,000 to Date
Rutgers Athletic Department Tutor (Spring 2013 Semester)
Patent Application: Device That Instructs Truck Drivers to Increase Fuel Efficiency
–U.S. Patent Application Serial No. 14/798,989; FLH Ref. No. 245013–2000

Skills/ Windows O/S 10, Excel, Word, PowerPoint, MatLab, VBA, Arduino, AutoCAD, R
Courses: Arena, SolidWorks, Differential Equations, Statistics, Stochastic Models, Linear Programming, Integer Programming, Non–Linear Programming, Data Analysis, Production Control, Quality Control, Machine Learning

Volunteer: Football Coach Pop Warner including Special Needs (2009 to 2015)
Volunteer at Various Elks Lodge Fundraisers for Disabled Persons (2009 to Present)

References: Dr. Elsayed A. Elsayed, ISE Professor at Rutgers University
–elsayed@rci.rutgers.edu
Dr. Scott J. Mason, IE Professor at Clemson University
–mason@clemson.edu
Frank Jezycki, VP of NYC Subway Transportation
–917–337–1307
Jeffrey Hermann, President of Hermann Transportation
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