1032 Searay Ct.
Abingdon, MD 21009

Andrew C. Hawkins

(561) 339-4065
hawkinsandrewc@gmail.com

Education

Master of Science in Engineering, Applied Mathematics and Statistics August 2015 – May 2017

Johns Hopkins University, Baltimore, MD

Bachelor of Science, Computational Mathematics August 2010 – December 2013

Embry-Riddle Aeronautical University, Daytona Beach, FL

Professional Experience

Data Scientist June 2017 – present

Stanley Black & Decker, Towson, MD

- Integrate machine learning and optimization into manufacturing processes.
- Design visualizations to inform managers and operators of potential inefficiencies.
- Create paperless manufacturing initiatives which record information and analyze data in real-time.

Data Scientist January 2014 – July 2015

Product Quest Manufacturing, Daytona Beach, FL

- Implemented statistical learning algorithms to predict the demand of finished goods.
- Navigated large data sets from a variety of sources and compiled them into a centralized database.
- Built front and back end software to distribute and automate future forecasting.
- Modeled and optimized operating procedures from component purchasing to product assembly.

Teaching Experience

Instructor

Johns Hopkins University, Baltimore, MD

- EN.550.112: Statistical Analysis II Summer 2016

Daytona State College, Daytona Beach, FL

- MAT0028: Mathematics II Fall 2014

Teaching Assistant

Johns Hopkins University, Baltimore, MD

Classes: Optimization in Finance, Discrete Mathematics, Mathematical Game Theory, Introduction to Optimization, and Mathematical Modeling and Consulting

Embry-Riddle Aeronautical University, Daytona Beach, FL

Classes: Introduction to Scientific Computing and Probability and Statistics

Languages and Technologies

Advanced: Python, MATLAB, Linux, SQL

Intermediate: Tableau, Fortran, LaTeX, R, JavaScript, HTML, CSS

Novice: Haskell, Java, Gnuplot, C++

Publications

[1] Smith, T. A. and **Hawkins, A.** (2015). An economic regression model to predict market movements. *International Journal of Mathematics Trends and Technology*, *28*(1), 1 – 3. doi:10.14445/22315373/IJMTT-V28P501