

ANDREW C. HAWKINS

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<https://github.com/achawkins>

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

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: Cryptology and Coding, Time Series Analysis, Discrete Mathematics, Optimization in Finance, Game Theory, 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

Proficient: Python, MATLAB, Linux, Fortran, L^AT_EX, SQL, R

Familiar: Java, Haskell, 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