Isaac Layton

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My objective is to use my statistics and programming skills to gather, analyze, and report data in a way that produces educated decisions.

Education

California Polytechnic State University (Cal Poly) / 2012-2016
Bachelor of Science in Statistics / June 2016.

Senior Project / October 2015 - June 2016
I spent the first quarter reading Introduction to Statistical Learning (ISLR). I then used these skills on a project that determined the identity of handwritten digits by means of principal components analysis, k-nearest neighbors, random forests, and quadratic discriminant analysis.

Experience

Really Right Stuff Supply Chain Assistant/ October 2016 - Present
I manage my company's supply chain by updating inventory Excel sheets using VBA and macros, forecasting future item consumption, and interacting with all of the internal departments and external vendors to ensure optimal inventory levels.

Tacos to Go Shift Lead / April 2014 - November 2015
As a shift lead, I directed a team of 3-5 employees and made sure that the restaurant was running smoothly. The majority of my job involved interacting with customers to make sure they received quality food and had a pleasant experience. My experience at Tacos to Go has improved my ability to solve problems efficiently.

Sound-Eklin Intern / June 2012 – September 2012 and June 2013 – August 2013
My duties included calling veterinary clinics to talk about replacing x-ray parts and updating their insurance, logging onto clients' computers remotely to install software, and recording information in Excel spreadsheets.

Skills

- Python for machine learning and data mining
- R
- Javascript including d3.js and React
- SQL through MySQL/ Proc SQL in SAS
- Excel including VBA
- Machine learning models
- C and Java
- SAS Certified Advanced Programmer
- AWS including EC2, S3, CloudFront
- Git/Github
- HTML, CSS, Django

Classes

- STAT 465: Statistical Communication and Consulting
- STAT 330: Statistical Computing with SAS
- STAT 440: SAS Certification Preparation
- STAT 441: SAS Advanced Certification Preparation
- STAT 331: Statistical Computing with R
- DATA 301: Introduction to Data Science
- CPE 101-103: Introduction to Computer Science 1/2/3
- CPE 349: Design and Analysis of Algorithms