Isaac Layton

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I use statistics and programming 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.

Technical Skills

Data Analytics

Python (including NumPy, Pandas, Scikit-learn), R, Excel with VBA

Web Development

Django, React.js, d3.js, HTML, CSS

Data Processing

SAS Certified Advanced Programmer, AWS including EC2 and S3, MySQL

Other

Git, bash, some C and Java

Projects

Senior Project / 2015 - 2016

I read a book called Introduction to Statistical Learning (ISLR), and then used the skills I learned on a project that classified handwritten digits using k-nearest neighbors, random forests, and quadratic discriminant analysis.

Jeopardy Project / 2018

I extracted 5000 + episodes' data from an online Jeopardy archive using Python, then visualized it using React.js and d3.js.

Experience

Supply Chain Assistant / Really Right Stuff / 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.

Shift Lead / Tacos to Go / 2014 - 2015

I led shifts of 3-5 people at my college's popular taco restaurant. It strengthened my leadership and communication skills.