Kyle Millar-Corliss

Education Proposal – RealD

**Education Proposal – Data Science Bootcamp**

**What:**

A 4- to 6-month bootcamp to teach me data science. Data science bootcamps teach students how to extract valuable knowledge from datasets using analytical and programming skills. Students will learn programming tools such as Python or R; databases such as SQL, Hadoop, or Spark; machine learning techniques; and data visualization techniques. All of these languages and environments exist within RealD.

**Why:**

RealD faces many challenges that require a data-driven decision. We have had difficulty getting developers to construct and interpret RealD data in a quick, concise way. Data science tools like Python and more specifically machine learning techniques can help me take on challenging forecasting and prediction problems, come up with data-driven solutions, and use data to make better decisions.

RealD needs to become more nimble in its data analysis, and these skills will help me to continue to drive that change. We need to find ways to do more with less; more interesting insights for our customers and partners with less people and resources analyzing it. We now have most of our data talking to each other: box office data matched to showtime data matched to asset and revenue data. However, we’re not getting the most out of that data that we could if we were applying statistics and machine learning principles against it.

Now, we need to start to analyze and interpret how our data interacts. Unfortunately, we don’t have anyone at the company with those skills. It would benefit both RealD and myself to build these skills internally rather than trying to hire externally at a significant cost (avg. salary for a data scientist in LA is ~$120k).

**Areas to impact RealD:**

* Systems re-deployment analysis
* Showtimes versus box office analysis
* Film slate forecasting
* Systems forecasting
* Consumer sentiment analysis for social media accounts

**Education Options:**

Option 1: NYC Data Science Academy – Online, Part-Time Bootcamp – Cost: $17,600

<https://nycdatascience.com/remote-data-science-bootcamp/>

Option 2: Thinkful – Online, Part-Time Bootcamp – Cost: $7,990

<https://www.thinkful.com/bootcamp/data-science/flexible/>