DANNY MELSON

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Education

M.S. Applied Statistics **2013 – 2015**
Penn State University, State College, PA

B.A. Mathematics and Economics **2005 – 2009**
University of Virginia, Charlottesville, VA

Certifications

Big Data and Data Science **2018 – 2019**
Duke University

- *Certificate coursework included: Big Data with Hadoop and Spark, Data Science with Python, Data Visualization with Tableau, and Introduction to Machine Learning*

Machine Learning **2018 – 2019**
Cornell University

- *Certificate coursework included: Linear Classifiers, Regression Models, Decision Trees, Support Vector Machines, Deep Learning and Neural Networks*

Work Experience

Mathematics Consultant **2019 – present**
Brilliant.org, San Francisco, CA

- *Revised existing statistics content for clarity, concision, and correctness.*
- *Created new advanced statistics educational content, including Machine Learning and Python programming.*

Mathematics Developer **2017 – 2019**
IXL Learning, San Mateo, CA

- *Used mathematics expertise and technical background to create educational content.*
- *Managed large-scale projects and reviewed work for accuracy and completeness.*
- *Collaborated remotely with engineering and UI/UX to make a quality end product.*
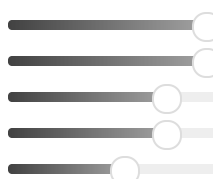- *Allocated responsibilities to teams and monitored progress to adhere to deadlines.*

Statistical Analyst **2015 – 2016**
NBA Charlotte Hornets, Charlotte, NC

- *Created models to forecast individual game attendance and sales revenue.*
- *Queried ticket sales and CRM databases with SQL to gather data.*
- *Used Microsoft Excel, R, and Tableau for data storage, analysis, and visualization.*
- *Presented findings to upper management and advised them how to maximize efficiency and profitability of the sales team.*

Skills

Software
- Microsoft Excel
- Tableau
- Hadoop and Spark
- Minitab
- SPSS

Languages
- Python
- R
- SAS
- SQL
- Java