

Eli Johnson

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Bachelor of Mathematics Education

Brigham Young University-Idaho

Minor: Data Science

September 2017-December 2020

Owner & Data Scientist

Data Think

Rexburg, ID

March 2022 – Present

- R package and Shiny development for automated processes and analytics
- PowerBI development and data wrangling for business decision-making

Math Teacher

Hillcrest High School

Ammon, ID

August 2020 – June 2022

- The high school needed an employee that could teach at-risk seniors math and help them salvage the math credits they needed to graduate in addition to teaching regular general education math courses
- Created curriculum and designed software that would allow students to learn algebra at their own pace and check off mastery of state standards to validate missing credits they had from their high school career
- Custom curriculum and software lead to 44 of 46 at-risk seniors graduating on time

Data Analyst

BYU-Idaho Institutional Data and Research

Rexburg, Idaho

April 2019 – August 2020

- BYU-Idaho institutional data and research required developers to create dashboards in Power BI according to their design to meet the various requests from university leadership
- Wrote DAX code, SQL queries, and R visualization code in tandem with Power BI to create made-to-order dashboards
- Dashboards went on to be used by university leadership to implement new programs that would help a larger portion of freshmen succeed in their first year at school, inform the creation of online curriculum, and lead to new online course structure allowing online teachers to educate double the number of students per semester
- Taught a team of 5 student analysts on how to write more efficient DAX Code as well as learn to web scrape, PDF scrape, and use machine learning algorithms in R
- Worked in a team of eight people to design a web app called “The Course Data Library” to assist faculty in determining which areas of their teaching needed to be improved

Data Analyst Team Lead

BYU-Idaho Institutional Data and Research

Rexburg, Idaho

January 2020 – August 2020

- BYU -Idaho Institutional Data and Research needed a manager to delegate work to student data analysts, keep track of employee schedules, and lead weekly trainings
- Trained students on shiny dashboards, web scraping, and best practices for data visualization
- Reduced the amount of time that the head of data and research had to spend on training and project management

Private Data Consultant

Rexburg, ID

September 2019 – December 2019

- Government entities and private corporations required automation of data retrieval and data visualization to discover areas for economic growth
- Wrote scripts to automate data retrieval and wrangling that would automatically sync with Power BI dashboards, saving companies upwards of 20 man-hours a month
- Created dashboards, syncing with newly wrangled data warehouses, to display both year over year profit data and spatial data for a marina to evaluate profitable impact of individual clients as well as the impact of larger marina wide decisions

RBDC Technical Project Manager

Research and Business Development Center

Rexburg, ID

September 2019 – December 2020

- Fortune 500 Company needed a project analyzing weather patterns to predict optimal refrigeration
- Used R, weather station API's, geographic shape files, and java-based web-apps to build shiny dashboards to inform where to implement their future product
- Facilitated a Research and Development proposal for a large-scale new business line