SEAN LEE

Currently searching for an internship opportunity

I find meaningful insights from data and visualize it to predict the future in advance by programming in **R** and **Python**. I am a passionate, dedicated, hardworking student with vision and enthusiasm.

EDUCATION

2018 | Present

Brigham Young University-Idaho
Bachelor of Science in **Data Science**
Rexburg, Idaho

- **Certificate in Computer Information Technology**
- Data Science Society Project Assistant
- Anticipated Graduation: July 2021
- GPA: 4.0

PROFESSIONAL EXPERIENCE

Jan.2021 | Present

Data Analyst Intern
BYU-Pathway Worldwide
Salt Lake City, Utah

- Pulled data from Microsoft Databases using SQL; maintained and updated dashboard reports in Power BI daily and weekly
- Cleaned and analyzed large amounts of information
- Developed ML predictive models using R and Python

Jul.2019 | Dec.2020

Data Analyst - Career Center
Brigham Young University-Idaho
Rexburg, Idaho

- Helped other business teams to make right decisions by generating clean data and visuals
- Created R Shiny applications to make projections of the future and to analyze the current trend by using R packages (tidyverse, leaflet, etc.)
- Saved 100 hours per month by building automated code to have better organization and reduce errors

Apr.2019 | Jul.2019

Statistics Teacher's Aide
Brigham Young University-Idaho
Rexburg, Idaho

- Helped students in using the tidyverse package, as well as base R, to transform data, create visualizations, and understand the principle of hypothesis testing
- Troubleshooted a wide variety of technical and procedural questions during class

PROJECT

Mar.2020

Customer Behavior ML Competition
Progressive Leasing
Rexburg, Idaho

- Achieved 1st place with team by designing an optimal machine learning model and predicted 94.11% AUC score
- Demonstrated excellent teamwork by creating a ML template in R together

Sep.2019 | Jan.2020

Energy Audit
Merit Medical Systems, Inc.
South Jordan, Utah

- Found baseline of three key resources (power, water, natural gas) that consume in the headquarter buildings and helped improve the operations
- Scraped useful information from PDF files by using R packages (tidyverse, pdftools, lubridate), built R package called Rbills to scrape all files in one, and created shinydashboard to report
- $24K a year savings by removing 560 hours of work

CONTACT

shseanlee22@gmail.com
in/sean-lee-0622/
github.com/seanlee0622
(208) 970-7005

For more information, please contact me via email.

SKILLS

Competent in statistical analysis, statistical learning models, and optimization methods.

Proficiency with next generation sequencing data analysis.

Highly experienced in

- R
- Python
- MySQL
- SQL
- JAVA
- HTML
- CSS
- JavaScript
- Machine Learning

Experience with

- Git
- Excel
- Power BI
- Tableau

*This resume was made with the R package **pagedown**.*
Last updated on 2021-01-12.

Apr.2019 | Jul.2019

Career Fair Students Survey

Brigham Young University-Idaho — Rexburg, Idaho

- Helped students to make better decisions through Career Fair reports based on collected information of students' responses
- Created dashboard to show the current trend by using R packages (flexdashboard, plotly, tidyverse)
- Acquired correlation between job and internship offers so that students can analyze the data quickly and saved 5 hours per student

Apr.2019 | Jul.2019

Longitudinal MRI Data in Nondemented and Demented Older Adults

Brigham Young University-Idaho — Rexburg, Idaho

- Revealed meaningful variables in the data to predict what factors cause dementia
- Performed detailed and correct regression analysis, while summarizing the conclusions including model selection, validation, visualization, diagnostics, and prediction by using linear regression model

Jan.2019 | Apr.2019

KYO Institute

Brigham Young University-Idaho — Rexburg, Idaho

- Found the difference of success rate between the client's Institute and the national rate through a statistical hypothesis (ANOVA)
- Created the hypotheses to analyze the data and made a conclusion by providing comparable plots
- Discovered the best conclusion based on the result as communicated with the employers