HANIAH KRING

🎓 EDUCATION

December 2023 | August 2020

B.S., Computer Science
Hope College
📍 Holland, MI

- Coursework: Google Data Analytics, Database Systems, R for Biological Sciences, Parallel Programming, Applied Statistical Models, Statistics for Data Science

💼 INDUSTRY EXPERIENCE

Present | May 2023

Data Analyst Intern
GreenStone Farm Credit Services
📍 East Lansing, MI

- Fully automated GreenStone's portfolio stress test report...
- Converted GreenStone's Current Expected Credit Loss model from Excel to R, reducing processing time by over 90% and eliminating user error.
- Developed an R package that converts data to a formatted static or interactive table, with options for preset themes.
- Forecasted historical portfolio growth using the LSTM model in Python to monitor percentage share of each portfolio segment.

Present | August 2022

Consultant Lead
The Center for Leadership
📍 Holland, MI

- Collaborated with Stryker Instruments on a market research project and advised them on a new medical device industry (subject to NDA).
- Lead a team of four to develop a 25 page requirements document for a mobile app that assists mentors at Kids Hope USA with their mentoring sessions.

💻 RESEARCH EXPERIENCE

July 2022 | January 2022

Undergraduate Researcher
Patient-handling and ML Models
📍 Hope College

- Applied multivariate time series models in Python to predict the quality of posture in nurses performing patient-handling tasks with an accuracy of 98.1%.
- Presented findings at three regional undergraduate research conferences (WMRUGS, MSGC, and CURCA).

May 2021 | August 2020

Undergraduate Researcher
Macatawa Watershed Analysis

- Collected water samples of Lake Macatawa at 12 different stream and lake sites and sequenced DNA for analysis.
- Leveraged tidyverse in R to clean, analyze, and visualize watershed data, employing methods such as ANOVA tables, stacked bar plots, ordination plots, and heatmaps.

🖥 TEACHING EXPERIENCE

Present | August 2021

Teaching Assistant
R for Biological Sciences
📍 Hope College

- Served as TA helping facilitate class discussions, debug student code, grade all programming assignments, and provide extensive feedback.

View resume online with links at hrkring.github.io/resume/kring-resume.html

CONTACT

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LANGUAGES

R

Python

SQL

TECHNOLOGIES

RStudio

Git

Excel

Power BI