

# 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 dynamic 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

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

📍 Hope College

- 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.



View this resume online with links at [hrkring.github.io/resume/kring-resume.html](https://hrkring.github.io/resume/kring-resume.html)

## CONTACT

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## LANGUAGES

R

Python

SQL

## TECHNOLOGIES

RStudio

Git

Excel

Power BI

Made with the R package  
[pagedown](https://pagedown.r-lib.org/).

Last updated on 2023-07-12.



## 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.