

# HANIAH KRING



## EDUCATION

Dec  
2023  
|  
Aug  
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, Linear Algebra



## INDUSTRY EXPERIENCE

Present  
|  
May  
2023

### Data Analyst Intern

GreenStone Farm Credit Services

East Lansing, MI

- Converted the Current Expected Credit Loss model from Excel to R, reducing processing time by 90%.
- Developed several automated PowerPoint reports, drastically reducing presentation development time.
- Forecasted market segment growth rates to help maintain a well-balanced portfolio using the LSTM model in Python.
- Authored [tableclothr](#), an R package that provides a common interface for gt and DT and gives helper functions for powerful, flexible tables.

Present  
|  
Aug  
2022

### Consultant Lead

Center for Leadership at Hope College

Holland, MI

- Advised [Stryker Instruments](#) on entering an emerging medical device industry with market analytics (NDA).
- Designed a 25 page requirements document for a [new mobile app](#) that assists mentors at Kids Hope USA with their mentoring sessions.



## RESEARCH EXPERIENCE

July  
2022  
|  
Jan  
2022

### Patient-Handling Tasks and Posture Classification

Undergraduate Researcher

Hope College

- Applied multivariate time series models using sktime and Pandas in Python to predict posture quality in nurses with 98.1% accuracy.
- Presented research at [WMRUGS](#) in Grand Rapids, [MSCC](#) in Ann Arbor, and CURCA at Hope College.

May  
2021  
|  
Aug  
2020

### Macatawa Watershed Analysis

- Collected water quality samples of Lake Macatawa at 12 different sites and sequenced DNA for analysis.
- Leveraged dplyr, tidyr, and ggplot2 to clean, analyze, and model ecological datasets.
- Employed statistical methods such as ANOVA, PERMANOVA, unconstrained ordinations, and heatmaps.



## TEACHING EXPERIENCE

Present  
|  
Aug  
2021

### Teaching Assistant

R for Biological Sciences

Hope College

- Served as TA helping facilitate class discussions, debug student code, and grade all R assignments.



## CONTACT

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## LANGUAGES

Java

R

SQL

Python

## TECHNOLOGIES

Azure DevOps

Git

MS Office Suite

Power BI

Made with the R package  
[pagedown](#).

Last updated on 2023-07-30.