

# Benedict Neo

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## Technical Skills

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**Programming Languages:** Python, R, SQL, Java, JavaScript, HTML, CSS

**Machine Learning:** Pandas, NumPy, Matplotlib, scikit-learn, plotly, Tidyverse

**Data Science:** Data Science pipeline (cleaning, wrangling, visualization, modeling, interpretation), statistics, time series, hypothesis testing, A/B testing

**Tools:** SPSS, Excel, Tableau, AWS, GCP, Looker, Google BigQuery, Git

## Professional Experience

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### Undergraduate Research Assistant

*Iowa State University*

Jan 2022 – Present

Ames, IA

- Undergraduate statistics research with Dr. Jarad Niemi, Department of Statistics

### Data Science Intern

*bitgrit Inc.*

Jan 2022 – Present

Remote

- Help develop Data Science competition for bitgrit data science platform
- Write technical data science articles and tutorials with over 100,000 views
- Develop starter solutions for data science competition

## Projects

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### Covid-19 Dashboard | R, Rmarkdown, Flexdashboard, Tidyverse, Plotly, Docker

Feb 2021

- Hosted dashboard on Github Pages
- Visualized covid-19 data with ggplot2, plotly and leaflet
- Cleaned and manipulated data using dplyr, tidyr, purr and forcats
- Automatic update to dashboard using Github Actions and Docker

### Next Word Prediction Shiny App | R, Shiny, Tidytext, Tidyverse, MarkovChain

Aug 2021

- Used R to download and analyze over 4m lines of corpus data
- Cleaned text data using tidytext and dplyr
- Built n-grams and visualized common unigram, bigram and trigram with wordclouds
- Built a Markov chain model for text prediction

## Education

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### Iowa State University

*Bachelors of Science in Statistics, Minor in Computer Science*

Ames, IA

May 2023

- CGPA: 4.0/4.0
- Relevant Coursework: OOP, Data Structures, Discrete Computational Structure, Design and Analysis of Algorithms, Probability and Statistics I & II, Time Series, Statistical Computing, Experimental Design
- Statistics Department Undergraduate Scholarship (\$1,000 awarded)

## Certification

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### Data Science Specialization

Coursera

*10 course specialization on Data Science by Johns Hopkins University*

- R Programming, Data Analysis, Data Cleansing, Data Manipulation, Statistical Inference, Regression Models, Machine Learning

## Leadership

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### Vice President of American University Program Society

*INTI Subang College*

Kuala Lumpur, MY

Aug 2019 - Sep 2020

- Organizing chairperson of Halloween event with over 100 participants.
- Chaired meetings and delegated tasks to 10 committee members