

Benedict Neo

☎ 515-388-0996 ✉ benthecoder07@gmail.com [linkedin.com/in/benedictneo](https://www.linkedin.com/in/benedictneo) github.com/benthecoder

Technical Skills

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

Undergraduate Research Assistant

Iowa State University

Jan 2022 – Present

Ames, IA

- Undergraduate statistics research with Dr. Jarad Niemi, Department of Statistics
- Working on Watershed Erosion Prediction Project (WEPP)

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

Covid-19 Dashboard [🔗](#) | R, Rmarkdown, Flexdashboard, Tidyverse, Plotly, Docker

Feb 2021

- 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

Iowa State University

Ames, IA

Bachelors of Science in Statistics, Minor in Computer Science

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

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

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