# YUNGE (HEALY) LI

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## EDUCATION

**University of Washington, Seattle, UW** — Expected March 2024
Master of Science in Biostatistics, Data Science Track — Dean's List, GPA: 3.86/4.00

**Ohio State University, Columbus, OH** — May 2022
Bachelor of Science in Statistics — GPA: 3.79/4.00

## SKILLS

**Technology:** R (tidyverse, ggplot2, caret), SAS, MATLAB, Python, MS Office Suite, Photoshop
**Statistics:** Regression models, Survival Model, Machine Learning, Longitudinal Data Analysis
**Language:** English, Chinese, Cantonese

## WORK EXPERIENCE

**Teaching Assistance, Medical Biometry** — Sept 2023 – Dec 2023
University of Washington, Seattle, WA

- Acted as liaison between students and instructor, supported students with understanding class material
- Graded homework and exams, prepared and led discussion sessions, hold regular office hours

**Biostatistics Intern** — Jun 2023 – Sept 2023
Abogen Bioscience, Suzhou, Jiangsu

- Developed programming functions with R language to merge repeated clinical records, resulting in higher efficiency of cleaning and organizing clinical data
- Analyzed clinical trial data using visualization tools and inferential methods in R to evaluate the efficacy of mRNA vaccine, generated statistical tables and charts using SAS, provided QC to support SAP composition

**Part-time Tutor** — Mar 2022 – present
HD Education, Shenzhen, Guangdong

- Facilitated and tutored 10+ students on Linear Algebra, Linear Statistics models and Probability & Estimation Theory, designed tailored study plans for students, reaulting in a average GPA of 3.8

## ACADEMIC PROJECT

**Prediction of Mild Cognitive Function in Outpatient Clinic Visits** — Sept 2023 – present
UW Medicine, MS Capstone project

- Applied machine learning models on Electric Health Record from clinics to predict the onset of mild cognitive function before dementia diagnosis, aims to provide early medical intervention to patients who at high risk of cognitive diseases
- Generate synthetic data using Generative Adversary Network to improve the quality and quantity of training data, which can help building more accurate and generalized model

**Investigation of Cardiovascular Disease Risk Factors** — Jan 2023 – Mar 2023
University of Washington, Data Analysis

- Implanted logistic regression and ANOVA test to investigate the incidence of cardiovascular disease and the other 13 variables of interest, indicated that gender could potentially higher associated with heart disease

**Impact of Program "First Step" on Newborn Birth Weight** — Sept 2022 – Dec 2022
University of Washington, Applied Biostatistics I

- Analyzed the efficacy of a prenatal program on decreasing the incidence of low-weight births using visualization and inferential tools in R. Accessed dataset with over 2000 observations