YUEQI XU

(707) 225-2382 | xyq678@uw.edu | Seattle, WA 98105 | linkedin.com/in/yueqixu/ | github.com/keyyyyyx

PERSONAL STATEMENT

A detail-oriented biostatistics graduate student with well-developed organizational skills and 3+ years of experience interpreting and analyzing data. Excels at developing reports from complex information with proficient knowledge in statistics, analytics, and data modeling. Strong ability to perform well independently or in a team.

SKILLS

Programming Languages: *Advanced*: R, SQL, Python; *Intermediate*: Java, JavaScript, HTML5, CSS
Data Visualization: ggplot2, Matplotlib, Tableau, d3.js, Excel
Report Writing: LaTex, R Markdown, Word, PowerPoint
Others: Time Management, Planning, Organization, Critical Thinking, Communication

PROJECTS & RESEARCH

Predictive model for Perfume Prices   *Jan. 2022 - Mar. 2022*
- Analyzed the key factors contributing to the retail prices of perfumes by performing **exploratory data analysis (EDA)** and built **linear regression models** using R. Used **step-wise backward selection** to choose the best model; assessed model performance using **cross-validation**.
- Built analytical report and presentation slides using **LaTex** and **Google Slides**, clearly explained the data set and strategies used to build the model, and interpreted the final result in detail.

Method Review of the BNT162b2 Vaccine Phase III Trial (PDF)   *May. 2021 - Jul. 2021*
- Analyzed the Bayesian workflow, specifically the prior belief and parameter transformations, proposed in the efficacy trial of BNT162b2, the Pfizer-BioNTech Covid-19 vaccine. Visualized analytical results with **ggplot2**.
- Provided alternative justifiable Bayesian work-flows, highlighted with our favored philosophy of prior selection. Used **grid approximation** to find parameters that satisfy the proposed prior belief.

Database Projects   *Jan. 2020 - Jun. 2020*
- Designed databases for an animal shelter and a hospital using **relational database design**, visualized the internal relationship with an **entity relationship diagram (ERD)**, and implemented the databases using **SQL**.

INTERNSHIPS

Guangzhou Yuexiu Local Taxation Bureau   Guangzhou, China
Data Analyst Intern   *Jul. 2019 – Sep. 2019*
- Retrieved and reviewed tax payment data of more than 200 companies and over 10,000 individuals in detail with **Excel**, reported entities with suspicious tax activities to assist in identifying instances of tax evasion. Increased the efficiency of the inspection process by approximately 25%.
- Analyzed tax payment data with **Excel** and developed quarterly analytical tax payment reports with **Word** for over 200 companies.
- Provided technical support to peers.

Guangzhou Baiyun Int. Airport Business Travel Service Co., Ltd   Guangzhou, China
Sales Consultant Intern   *Jul. 2017 - Sep. 2017*
- Built daily sales reports using **Microsoft Word** and **Excel**, outlined financial data to assist management, and offered suggestions on operational decisions.
- Boosted branch sales by around 20% by investigating customer needs through analysis of sales data.

EDUCATION

University of Washington   Seattle, WA
Master of Science in Biosatistics;   *Expected Mar. 2024*

University of Washington   Seattle, WA
Bachelor of Science in Statistics;   *Sep. 2017 – Mar. 2022*
Minor in Informatics & Mathematics
Honors: Dean's List, Graduated Magna Cum Laude