

# Xiaofei SUN

2702 Fairview Crescent, Vancouver, BC, V6T 2C4

email: [asasun287@outlook.com](mailto:asasun287@outlook.com)

GitHub: <https://github.com/asa287>

+1-236-991-2096

Portfolio: <https://asa287.github.io/>

---

## EDUCATION

### University of British Columbia

BA in Economics, Minor in Data Science

GPA: 4.33/4.33, 91.5%

Core Courses: Programming, Problem Solving, and Algorithms; Statistical Inference for Data Science

Vancouver, BC

09/2022 - Present

## PROFESSIONAL EXPERIENCE

### Algorithms for Big Data | Supervisor: Prof. David Woodruff, Carnegie Mellon University

Research Program

01/2024 - Present

#### Core Content

- Machine Learning
- Neural Networks
- Numerical Linear Algebra or Optimization
- Robust Regression or Hessian Sketching
- Practical Problems and Designing Complex Models
- Theoretical (Data-Driven) Algorithms

### The Affiliated Hospital of Qingdao University

Data Analysis Intern

Qingdao, China

07/2023 - Present

Analyzed were complex problems, and strategic solutions were collaboratively developed with interdisciplinary teams, emphasizing effective teamwork and solution implementation.

- Applied were advanced analytical skills to identify, analyze, and interpret trends or patterns within intricate datasets. Correlations were leveraged, and data visualization techniques were employed, utilizing charts to enhance the clarity of insights.
- Executed was meticulous sorting and organization of files, spreadsheets, and reports. A methodical approach to data management ensured streamlined access, retrieval, and analysis, contributing to the accuracy and efficiency of the analytical process.
- Applied were sophisticated data analysis methodologies to address tangible challenges. The anticipated impact includes a targeted reduction of approximately 30% in the risk of bone fenestration during orthodontic treatments. Underscores the practical application of data-driven insights to real-world problems.

### NIBC Global Investment Banking Competition 2024

Case competition

Vancouver, BC

12/2023 - 02/2024

- Study and analyze the beverage industry, with Diageo as the main object of analysis.
- Collaborate with 2 people to complete a case study. Mainly responsible for enterprise valuation, Excel financial modeling and data analysis; Participate in industry background checks.

## LEADERSHIP AND VOLUNTEER EXPERIENCE

### Psychology Club

President

Qingdao, China

09/2020-06/2021

- Designed lessons, activities, and trips to encompass course material in psychology, ensuring a comprehensive and engaging learning experience for students.
- Collaborated with the psychology teacher in conducting investigation and research on students' learning motivation during COVID-19. This involved active participation in questionnaire design, meticulous data collection and analysis, and contributing to the writing of academic papers based on research findings.

## TECHNICAL PROFICIENCIES

- **Languages:** Native in Mandarin, Fluent in English.
- **Programming:** R, Python, Java, Racket, HTML, CSS.