Jiaying Wu

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EDUCATION

Macalester College   **Saint Paul, MN**
Computer Science & Applied Mathematics and Statistics   Bachelor of Arts Expected: May 2023
Cumulative GPA: 3.95 / 4.0 (both major and overall)
Honors/Awards: Recipient of Kofi Annan International Scholarship; Recipient of Davis UWC Scholarship
Relevant Coursework: Data structure, Algorithm, Object-Oriented Programming & Abstraction, Statistical Modeling

St. Olaf College   **Northfield, MN**
Relevant Coursework: Principle of Computer Science in Python, Linear Algebra, Calculus II   Sept 2019 – May 2020

SKILLS

Programming: Familiar with Java, R, and SQL; basic knowledge in Python and HTML/CSS.
Technology: RStudio, Mathematica, Microsoft Office.
Language: Native in Chinese and fluent in English.

ACADEMIC PROJECTS

Statistical Modeling Project: Predicting Marijuana Smokers' Starting Age   **Saint Paul, MN**
Initiator   October 2020 – December 2020
- Initialized project to predict marijuana user's age through 10,000 data from US National Center for Health Statistics.
- Implemented and visualized multiple linear & logistic regression models in R to analyze possible factors behind marijuana users, including smoking, educational, and socioeconomic backgrounds.
- Evaluated models' accuracy using multiple tests, including residuals, added variable plots, sensitivity, specificity, etc.

Object-Oriented Programming Project: Java "Farm Art Game"   **Saint Paul, MN**
Initiator & Organizer   October 2020
- Built a pixel art Java Game – allowed users to change the backgrounds and element types in farm to create personalized farms – in a team of three.
- Implemented data structure to store farming elements, and enhanced user experiences by mouse-listener interface.

WORK EXPERIENCE

Macalester College Admission Office   **Saint Paul, MN**
Global Ambassador Coordinator   September 2020 – Present
- Collaborate with college admissions to reply to emails, hold individual meetings and Q&A panels with students.
- Coordinate and pair current student volunteers with prospective students for further connections.
- Organize and update records of prospective students' interests, intended majors, and extracurricular activities.
- Plan and create pre-departure checklist and FAQs for international admitted students.

Macalester College Mathematics and Statistics Department   **Saint Paul, MN**
Teaching Assistant for Epidemiology Statistics   October 2020 – December 2020
- Tutored 30+ students with no prior statistics experience in statistics, improved their scores by 5% on average.
- Assisted with course-related problems, including measurement of disease, health and analysis of risk using techniques in statistics epidemiology, helping them build basic knowledge in statistics epidemiology.
- Provided weekly office hours and graded students' weekly assignments and quizzes.

AWARDS & EXTRACURRICULAR

ASA DataFest 2021 Challenge, Special Award: Best Question Asked   March 2021
Girls Who Code College Loop, Saint Paul, MN, *Member*   September 2020 – Present
Women In STEM, Northfield, MN, *Member*   September 2019 – February 2020