Gabriella "Gabby" Novak

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EDUCATION

University of Rochester   **Rochester, NY**
Bachelor of Arts in Statistics   *Anticipated May 2022*
Computer Programming, Actuarial Sciences
- GPA: 3.85 out of 4.00
- Phi Beta Kappa Suzanne J O'Brien Book Award: Recognizes 16 members of the previous year's first-year class who have been nominated by university faculty and staff for demonstrating outstanding scholarly achievement, humanistic values, contribution to co-curricular activities, and leadership potential.

Emery/Weiner School   **Houston, TX**
High School Diploma   *June 2018*
- GPA: 4.00 out of 4.00
- Socrates Award: Awarded to the valedictorian in recognition of their pursuit of knowledge and academic excellence
- Rubber Ducky Award: Provided meaningful contributions to the Emery/Weiner technical theater department during all years of attendance at the school
- National Honor Society Member
- Studied abroad five weeks at La Universidad Latina in Heredia, Costa Rica

EXPERIENCE

University of Rochester   **Rochester, NY**
STT276 Teaching Assistant   *January 2020 – Present*
- Strengthen students' grasp of material taught in lecture including R coding for data wrangling and table and figure creation using base functions and external libraries, as well as results presentation with R Markdown
- Assisting students in understanding errors and debugging code both during lecture and additional office hours

University of Texas School of Public Health   **Houston, TX**
Undergraduate Intern   *June 2019 – August 2019*
- Collaborated with Dr. Cici Bauer (Department of Biostatistics) and a team of graduate students on multiple geospatial analysis projects
- Carried out data processing, modeling, and figure creation including mapping
- Compiled reports to present to team members as well as other UT Health faculty
- Attended weekly work group meetings to present on project status and share techniques with other group members

University of Rochester   **Rochester, NY**
Event Support Senior Technician   *April 2019 – Present*
- Operate all technical aspects of university events with special expertise in lighting
- Collaborate with clients to plan and program aesthetically pleasing lighting that compliments their production
- Lead other technicians in equipment and furniture set up and strike
- Manage technical difficulties and client requests effectively and efficiently

Private Statistics Tutor   **Rochester, NY**
                                                                             April 2019 – June 2019
- Developed and implemented lesson plans to assist a student in-poor-standing in successful final exam preparation
- Recommended for position by professor based on past success with students as a teaching assistant

University of Rochester   **Rochester, NY**
STT212 Teaching Assistant   *January 2019 – December 2019*
- Led two recitations per week for an introductory statistics course, teaching basic R coding and reviewing material and answering outstanding questions

University of Rochester   **Rochester, NY**
Event Support Basic Technician   *August 2018 – April 2019*
- Operated sound, lighting, and projection equipment during concerts and other special events and presentations

RELEVANT COURSEWORK

Introduction to Categorical Data Analysis   **University of Rochester**
STT218   *Spring 2019*
- Introduction to statistical methods used to analyze categorical data including hypothesis testing for two and three way contingency tables, logit and probit regression including model selection and goodness of fit, and methods for ordinal and paired data
- Culminated in a statistical analysis report on chosen data in R

Introduction to Programming   **University of Rochester**
CSC161   *Spring 2019*
- Applied introduction to Python language including conditionals, iteration, functions, classes, data collection manipulation, object-oriented programming, and graphics through weekly problem-solving labs and collaborative workshops
- Culminated in the creation of a stock buying simulator which took in Yahoo! Finance data, wrangled it into a usable format, and used it to inform two buy/sell algorithms and compare their results

Statistical Computing in R   **University of Rochester**
STT276   *Spring 2019*
- Introduction to statistical computing using R in the RStudio environment including integrating R output into reports using RMarkdown
- Focused on data manipulation and graphic building with tidyverse functions and function writing
- Culminated in a full report in RMarkdown including exploratory data analysis and hypothesis generation and confirmation on data from ride-share programs in Chicago

Applied Statistics II   **University of Rochester**
STT216   *Spring 2019*
- Continuation of introductory course focusing on non-parametric testing, ANOVA models, multiple comparisons, multiple linear regression, and binary logistic regression in Minitab
- Culminated in a full report of statistical analysis conducted on a chosen data set in R

Applied Statistics I for the Biological and Physical Sciences   **University of Rochester**
STT212   *Fall 2018*
- Introductory level, algebra-based, frequentist statistics course including the appropriate use of numerical and graphical summaries, confidence intervals, and hypothesis tests
- Culminated in a final project in which groups wrote a report on given data using R for calculations and graphics

LEADERSHIP ACTIVITIES

University of Rochester   **Rochester, NY**
Technical Director of The Opposite of People Theater Company (TOOP)   *December 2018 – Present*
- Organize and direct work calls, load in, and strike
- Facilitate communication between members of a production team
- Advance improvement projects including storage inventory and organization and design archiving
- Implement the company's technical apprenticeship program along with the production stage manager

CERTIFICATIONS

Human Research for Biomedical Researchers
CITI Program   *June 2019 – June 2022*
Social and Behavioral Research Best Practices for Clinical Research
CITI Program   *June 2019 – June 2022*

SKILLS

- Proficient in R, RMarkdown, and Microsoft Excel
- Competent in Python, Microsoft Office (including Microsoft Access), and LaTeX typesetting
- Ability to develop functions and other coding procedures for use in an academic environment and defend them to collaborators and supervisors
- Ability to explain statistical conclusions and processes to the general public developed though working with students as a teaching assistant and tutor
- Communication skills developed through interaction with clients as an event technician