

Gabriella “Gabby” Novak

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EDUCATION

University of Rochester

Bachelor of Arts in Statistics, Minor in Computer Science

Rochester, NY

Anticipated May 2022

- GPA: 3.89/4.00
- Phi Beta Kappa Suzanne J O'Brien Book Award: Recognized for outstanding scholarly achievement, humanistic values, contribution to co-curricular activities, and leadership potential.

EXPERIENCE

Biostatistics Lab at Johnson Space Center, NASA

NASA Intern

Houston, TX

June 2020 – August 2020

- Articulated guidance on best practices for reproducible research distributed throughout NASA's Biomedical Research and Environmental Sciences Division
- Developed a R package for internal NASA use to support reproducibility efforts
- Conducted thorough literature review on current best practices for reproducible research
- Reviewed and provided recommendations on computational tools to support reproducible work

University of Texas School of Public Health

Undergraduate Intern

Houston, TX

June 2019 – August 2019

- Processed complex survey data, fit models, and created figures and maps in R for multiple geospatial analysis projects
- Presented on project status and shared techniques with other team members at weekly work group meetings

University of Rochester

Statistics Teaching Assistant

Rochester, NY

January 2019 – Present

- Strengthen students' grasp of material taught in lecture including R coding and applied statistical methods
- Assist students in understanding errors and debugging code during lecture and additional office hours

University of Rochester

Event Support Senior Technician

Rochester, NY

April 2019 – Present

- Operate all technical aspects of university events with special expertise in lighting
- Plan and program aesthetically pleasing lighting in collaboration with clients that compliments their production
- Lead other technicians in equipment and furniture set up and strike
- Manage technical difficulties and client requests effectively and efficiently

Event Support Basic Technician

August 2018 – April 2019

- Operated sound, lighting, and projection equipment during concerts and other special events and presentations

SPECIALIZED COURSEWORK

Introduction to Computer Science

CSC171

University of Rochester

Spring 2020

- Completed several open-ended design projects in Java implementing gameplay, logic control, and user interface for TTY and graphics-based games

Introduction to Programming

CSC161

University of Rochester

Fall 2019

- Programmed a stock buying simulator in Python which uses historical Yahoo! Finance data to compare two buy/sell algorithms

Statistical Computing in R

STT276

University of Rochester

Spring 2019

- Prepared a dynamic report on ride-share data in Chicago including exploratory analysis and hypothesis generation and confirmation in R Markdown

LEADERSHIP ACTIVITIES

University of Rochester

Rochester, NY

Technical Director of The Opposite of People Theater Company (TOOP)

December 2018 – December 2019

- Organized and directed work calls, load in, and strike
- Facilitated communication between members of a production team
- Advanced improvement projects including storage inventory and organization and design archiving

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 Git/GitHub
- Competent in Java, Python, LaTeX typesetting, and Microsoft Office