

Gabriella “Gabby” Novak

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EDUCATION

University of Rochester

Bachelor of Science in Statistics, Minor in Computer Science

Rochester, NY

Anticipated May 2022

- GPA: 3.86/4.00
- Phi Beta Kappa Suzanne J O'Brien Book Award

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
- 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 – December 2020

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

University of Rochester

Event Support Basic / Senior Technician

Rochester, NY

April 2018 – Present

- Pivot to operating and troubleshooting installed audio-visual technology for asynchronous and synchronous remote learning during COVID-19 pandemic
- 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

SPECIALIZED COURSEWORK

Tools for Data Science

DSCC201

University of Rochester

Spring 2021

- Introduction to commonly used tools, hardware, and infrastructure in data science including the Linux environment, cluster and parallel computing, source code management, and languages and packages for statistical analysis, visualization, and machine learning

Data Structures & Algorithms

CSC172

University of Rochester

Spring 2021

- Implemented infix calculation with the Shunting-Yard Algorithm; Huffman compression; mapping tasks such as Dijkstra's shortest path algorithm, Prim's algorithm for minimum spanning trees, and map graphics; and all underlying data structures in Java

Statistical Computing in R

STT276

University of Rochester

Spring 2019

- Prepared a dynamic report on ride-share data in Chicago in R Markdown

SKILLS

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