**Shreyoshi Ghosh**

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**OBJECTIVE**

Seeking a graduate internship in bioinformatics and/or data science.

**ABOUT ME**

I am a first-year student at the Graduate School of Arts and Sciences at NYU working towards a master’s degree in Bioinformatics. I completed my undergraduate degree majoring in Biomolecular Sciences along with a double minor in data science and science and technology studies at the Tandon School of Engineering at NYU.

**EDUCATION**

**M.S. Bioinformatics (In Progress)**

**New York University, Graduate School of Arts and Sciences**

* **Relevant Coursework:** Genomics, HPC, Databases and Data Mining

**B.S. Biomolecular Sciences/ Data Science Minor**

**New York University, Tandon School of Engineering**

* **Relevant Coursework:** Calculus, Physics, Organic Chemistry I + II, Quantum Chemistry, Biochemistry, Advanced Molecular Biology, Advanced Cell Biology, Physiology, Stem Cells and Development, Genetics and Genomics, Biostatistics with R, Programming with Python, Causal Inference, Machine Learning

**RESEARCH**

**Undergraduate Research May 2020 – Jan 2022**

*Clinical Biophotonics Laboratory (Dr. Andreas Hielscher) NYU Tandon*

* Researched early prediction of pathologic complete response in breast cancer neoadjuvant chemotherapy based on pretreatment data obtained with dynamic diffuse optical tomography under the guidance of Dr. Mirella Altoe and Dr. Andreas Hielscher.
* Largely focused on data preparation, statistical analysis and predictive modeling of breast cancer patient data using R.
* Led to first authorship of research paper in collaboration with Drs Altoe and Hielscher presented at the SPIE Photonics West Conference 2022.

**SKILLS**

* **Programming:** Python (Pandas, Numpy, SciPy, StatsModels, Matplotlib, Scikit-Learn), R/R Studio (Tidyverse), Visual Studio Code, Jupyter Notebooks, Bash, Slurm/HPC, SQL (SQLite, MySQL)
* **Skills:** Problem solver with attention to details. Skilled communicator and leader with prior experiences in decision making and collaboration. Hard working with curiosity, dedication and a love for science.

**EXTRACURRICULARS**

**Woodbridge Township Ambulance and Rescue Squad Aug 2016 – Aug 2017**

*Volunteer EMT cadet Woodbridge, NJ*

* Active cadet with activities including helping organizing ambulances and equipment and responding to 911 calls.

**New Jersey Menlo Park Veteran’s Home May 2014 – Aug 2015**

*Volunteer Edison, NJ*

* Patient care for the disabled.

**AWARDS**

**1st place gold medal at FCCLA State Leadership Conference March 2017**

*Interpersonal Communications*