Sadhana Chidambaran

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EDUCATION

Johns Hopkins University   **Baltimore, MD**
Ph.D. in Biology   *August 2020 – Present*

Rutgers University   **New Brunswick, NJ**
B.A. in Genetics, B.S. in Computer Science   *May 2020*
- Certificate in Computational Genetics

RESEARCH EXPERIENCE

Shah Lab, Rutgers University   **New Brunswick, NJ**
Undergraduate Researcher   *June 2017 – May 2020*
- Conducted independent research investigating sources of bias in RNA-sequencing data
- Developed a web app for visualizing genomic data using the Shiny package in R

Ucar and Beck Labs, Summer Student Program, The Jackson Laboratory   **Farmington, CT**
Summer Student   *June 2019 – August 2019*
- Examined the effect of the LINE-1 transposable element on the mouse immune system with age
- Compared three computational pipelines for quantifying transposable element expression

NIMBioS Summer Research Experience, University of Tennessee-Knoxville   **Knoxville, TN**
Undergraduate Researcher   *May 2018 – July 2018*
- Applied a new model of evolution to cancer genome data
- Used AIC to compare results to previously established models of evolution
- Presented results at the 10th Undergraduate Research Conference at the Interface of Biology and Mathematics

WORK EXPERIENCE

Rutgers University   **New Brunswick, NJ**
Student Assistant   *January 2019 – May 2020*
- Assisted students with classwork in the Quantitative Biology and Bioinformatics course
- Tutored students in Python

OTHER EXPERIENCE

Rutgers University   **New Brunswick, NJ**
President, Association of Undergraduate Geneticists   *September 2019 – May 2020*
Secretary, Association of Undergraduate Geneticists   *September 2018 – May 2019*
- Organized events to facilitate student-faculty communication within the Department of Genetics

SKILLS
- Programming – Python, Java, C, SQL
- Data analysis – R, SAS, MATLAB