

**RUTGERS UNIVERSITY**

Double Major in Molecular Biology & Biochemistry and Sociology

**GPA:** 3.87 | SAS Honors Program | Douglass Residential College

**Awards:** Dean's List x5, Aresty Summer Science Scholar, Aresty Library Research Award

**Extracurriculars:** Rutgers Girl Up Founder, Douglass Dean's Leadership Council, Youth Empowerment Club Outreach Chair, MBB Society Secretary, Rutgers Chemistry Society Outreach Chair, Physics Learning Assistant

**NEW JERSEY MEDICAL SCHOOL**

7 Year BA/MD Candidate

- Only applicant accepted into the Joint Bachelor/Medical Degree Program between Rutgers University and New Jersey Medical School

New Brunswick, NJ

09/2020 - 05/2023

Newark, NJ

Expected May 2027

**CLINICAL EXPERIENCE**

**SOUTH PLAINFIELD EMERGENCY MEDICAL SERVICES**

EMT (12 hr/week)

- Responding to emergency calls as primary caregiver on an overnight shift with an average of 7 calls/shift and authoring patient care reports with 99% accuracy
- Serving on the membership committee to recruit younger EMTs to join the squad and participating in community-building events to build rapport with town members

South Plainfield, NJ

09/2020 - Present

**PHYSICIAN SHADOWING**

Student Observer (50 hours)

- Observed the diagnosis of new and recurring patients in an internal medicine care setting and applied different medical assessment techniques to address patient concerns
- Conducted clerical work; noted medical history; performed vitals and EKGs under supervision of Dr. Hao Zhang, MD at Edison Wellness Group
- Shadowing Dr. Phil Lahey, MD and Dr. Christopher Vinton in orthopedic surgery for 20 hours at Worcester County Orthopedics
- Observing patient consultations such as ACL reconstructions, direct anterior hip replacements, and TruMatch knee replacements

Edison, NJ

09/2021 - 06/2022

**RESEARCH EXPERIENCE**

**NAKAMURA LAB GROUP**

Research Assistant (20 hr/week)

- Utilizing Linux, R, and Python to perform RNA, ATAC, and ChIP-sequencing on Hox13  $-/-$  knockout zebrafish in order to identify loci responsible for the fin-to-limb transition
- Participating in 3 semesters of research, culminating in two research report and the 10-week, 40 hour/week Aresty Summer Scholars Program which culminated in a poster presentation
- Performing molecular imaging techniques such as fluorescent ISH and live imaging of zebrafish pectoral fins to identify gene markers and their role in fin development; preparing zebrafish tail DNA samples for genotyping biweekly to create knockout zebrafish lineages; utilizing animal handling techniques

New Brunswick, NJ

10/2020 - Present

**THE FORENSIC PANEL**

Casework Research Assistant (10 hr/week)

- Reviewing medical/forensic records of cases and scientific research of case-related topics and authoring a summary of findings for presentation to primary consult
- Editing and proofreading manuscripts, data-mining specific questions, and performing other litigation-support investigative research such as internet searching and testimony review

New York, NY

03/2022 - Present

**LEADERSHIP EXPERIENCE**

**RUTGERS STUDENT HEALTH - HEALTH PROMOTION AND PEER EDUCATION OFFICE**

Peer Mental Health Educator (3 hr/monthly)

- Educating the Rutgers community on mental health wellness through monthly outreach and workshops; creating and facilitating workshops surrounding mental health, sleep, technology health, test anxiety, and other relevant issues

New Brunswick, NJ

01/2021 - Present

**NEW YORK ACADEMY OF SCIENCE**

Afterschool Mentoring Program STEM Mentor (2 hr/week)

- Mentoring elementary school students in New York City public schools to develop a passion for STEM and working with site staff partners to implement weekly sessions for 9 students

New York, NY

09/2021 - Present

**GENERATION TEACH**

STEAM Academy Teaching Fellow (350 hours)

- Taught two sections of reading and two sections of art to 40+ students over the course of 5 weeks and completed one term of service with AmeriCorps VISTAs; received daily coaching, feedback, and guided practice from professional teachers; planned and led engaging community building initiatives to foster strong student relationships and investment following school closures
- Responsible for a 150% increase in student knowledge retention and growth assessed via improvement in standardized testing across both classrooms

Worcester, MA

06/2022 - 07/2022

**INHALE-EXHALE**

Executive Director (6 hr/week)

- Creating and distributing mental health resources to communities that do not have access to holistic health care or mental health
- Implementing a semester-long internship program which has produced 35 new interns for 4 semesters
- Working with the founder to create a strategic plan and handling day-to-day operations in the non-profit overseeing 21 people

Philadelphia, PA

06/2020 - 03/2022