

Margaret Bradley

PHONE NUMBER: (404) 290-1157 ATLANTA, GA EMAIL: MBRADLEY62@GATECH.EDU

LINKEDIN: WWW.LINKEDIN.COM/IN/MARGARETBRADLEY

EDUCATION

Georgia Institute of Technology | Atlanta, GA Anticipated May 2024

- Candidate for Bachelor of Biological Science on the Pre-Health Track
- Minor Candidate for Health, Medicine, and Society
- Fast-track to Research Scholar
- GPA: 4.00 Credit Hours 75/122

Etowah High School | Woodstock, GA May 2021

- GPA 103.4/100 or 100/100
- Ranked 3/557 with Honors

SKILLS

Biology

- Statistical Analysis (chi square and Harvey-Weinstein Equilibrium); Energetics, Information and Storage Transmissions, System Interactions
- Genetic editing with CRISPER/cas-9, PCR, and sgRNA design, microinjection skills

Course Concepts

- Analysis of scholarly publications and primary sources; evaluating, and analyzing case studies and concepts

Communication

- Research Presentations & Academic Papers
- Elementary Proficiency in French
- Elementary Proficiency in Python Coding Language

Relevant Coursework: Integrative Genetics 2610, Chemical Principles 1212k, History of Disease and Medicine 2080

RESEARCH/ACADEMIC PROJECTS

Jordan Lab Undergraduate Researcher (2021-current)

- Computational genomics for public health
- Human clinical and population genomics
- Computational approach to functional genomics

CRISPR *V. cardui* Genome Editing Project (2021)

- Using CRISPR technology, genes *distal-less*, *optix*, or *wntA* were knocked out of the butterfly *V. cardui* (painted lady) genome in an effort to change the phenotypic wing shape and pattern. The butterflies were injected in vivo using microinjection technology, and were observed post maturation.

AP Capstone Scholar (2021)

- Academic Paper: **The Influences of Ad-Targeting on Teen Purchasing Decision Autonomy of Teenagers**
- Academic Capstone Presentation
- Quantitative, quasi-experimental method relying on multiple academic and self-created surveys
- Social Comparison Theory and Wishful Identification Exploration
- Pending Publication

EXPERIENCE

Explore Living Learning Community Student Assistant

Atlanta, GA | 2021-current

- responsible for planning events related to the college of sciences for over 100 first year students

Frozen Cow Creamery - Shift Leader

Kennesaw, GA | 2019-2021

- entrusted with managing the shift, counting money, and answering all customer questions and concerns

Grade 8 Georgia Soccer Referee

Canton, GA | 2015-2020

- making sure youth players participate in a fun, fair, and safe match environment
- confidence in decision making and teamwork ability

LEADERSHIP

Alpha Chi Omega Assistant Membership Programmer

2021- Current

Skills:

- Assist in planning events for over 300 members to promote community and interconnectedness in a competitive environment
- Coordinate a budget over \$5,000

Student Body/Class President

Student Government Association | 2017-2021

Skills:

- Spearheaded many fundraising activities such as \$2,000+ annual funding for St. Jude's Childrens Hospital and Etowah Cares medical assistance program
- Communicated with administrative figures regarding the needs of the student body and worked with faculty to solve joint issues
- Organized a school-wide effort for a time capsule that accounted for all aspects of our high school's COVID graduating class.
- Initiated the first ever Senior Carnival to provide a memorable experience while maintaining CDC's covid prevention guidelines

First-Year Activity Board

2021- Current

Skills:

- Plan and organize events for over 5,000 student body members to promote creativity and relaxation in a competitive environment
- Communicate with campus residential advisors and to market and advertise high budget events
- Coordinate a budget of \$14,000

AWARDS/RECOGNITION

Georgia Scholar, United States Military Academy Summer Leadership Experience (2020), Positive Athlete Regional Distinction for Women's Soccer, AP Scholar with Distinction, Georgia HOSA Elevator Speech Winner, Varsity Soccer Academic Award