

# Katrina Sameth

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## EDUCATION

### University of Virginia

Charlottesville, VA

*Major: Biomedical Engineering*

*Minor: Computer Science*

2022 - 2026

- GPA: 4.00/4.00
- Coursework: Multivariable Calculus, Introductory Physics 1 for Engineers, Introductory Physics 1 Workshop, Introduction to Engineering, Designing for a Sustainable World, Ordinary Differential Equations, Discrete Mathematics and Theory, Introduction to Civil Engineering, Religion in American Life, Probability

### Lake Braddock High School

Burke, VA

*High School Degree*

2018 - 2022

- Weighted GPA: 4.79/4.00
- Unweighted GPA: 4.00/4.00
- Relevant Coursework: AP Biology, Genetics and Biotechnology, Multivariable Calculus/Matrix Algebra, AB Advanced Computer Science, AP Physics, AP Computer Science A, AP Calculus BC

## WORK EXPERIENCE

### Berger Lab at UVA

Charlottesville, VA

*Undergraduate Research Assistant*

January 2023 - Present

- Research protein structure and isolation for biomineralization assays
- Communicates with graduate researcher to perform specialized tasks and experiments
- Impacts medical field to make drug delivery and medical diagnosis more efficient

### Mathnasium

Burke, VA

*Shift Lead, Opener/Closer, Trainer*

August 2020 - May 2022

- Communicated information from parent interest to center director
- Trained and determined new employee eligibility and efficiency
- Collaborated with center director to determine best practices for employees and students
- Created individualized lesson plans for students
- Assisted students of all levels with rigorous math plans and problems

### Senberry Acai Bowls

Fairfax, VA

*Shift Lead, Opener/Closer, Trainer*

April 2022 - Present/Seasonal

- Opener/Closer, Shift Leader, Server, Trainer
- Collaborate with owner to ensure customer satisfaction
- Communicate with coworkers to ensure smooth work flow
- Communicate with owner to maintain product availability

## SKILLS

- Wet-lab: cell culturing, PCR, gel electrophoresis, RNA extraction, bacterial transformation using plasmid editing, plasmid isolation
- Dry-lab: Excel, Java, Inventor, Capstone, BLAST
- Problem-solving and working in both a team and independently
- Project management and organization
- Time management and Prioritization

## Honors and Awards

- Dean's List (2022)
- AP Scholar

