

Aimee Moise

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PROFILE

I am currently a graduate student at MIT in the Engelward Laboratory. I began my PhD in 09/2018 and joined the Engelward Laboratory in 02/2019.

EDUCATION

PhD, Biological Engineering

Massachusetts Institute of Technology, Cambridge, MA

Bachelor of Science, Chemical Engineering

May 2018

Georgia Institute of Technology, Atlanta, GA

- Minor: Physics
- 3.85

Associates of Science, Chemistry

May 2015

Georgia State University Perimeter College, Dunwoody, GA

- 3.96

RESEARCH/TEACHING

Graduate Research Assistant

Feb 2019 - Present

Massachusetts Institute of Technology, Massachusetts, GA

- Working in the Engelward Laboratory under Bevin Engelward
- Examining the effects of microbial organisms on exposure to environmental carcinogens

Undergraduate Research Assistant

January 2017 - May 2018

Georgia Institute of Technology, Atlanta, GA

- Worked in Andreas Bommarius's lab under a graduate student (Dr. Harrison Rose) and research scientist (Dr. John Mick Robbins)
- Adjusted protocol for purification of various enzymes
- Collected and analyzed data using a variety of methods: UV/Vis, ITC, CD
- Characterized binding and melting curve data for two separate enzymes
- Addressed the group during group meetings four times
- Developed a protocol for producing co-expression plasmids

Undergraduate Course Assistant

January 2017 - May 2018

Georgia Institute of Technology, Atlanta, GA

- UCA for CHBE 2120, 3130/3200, 4515, 3200 (*Numerical Methods, Thermo 2, Transport 1 and Safety for Chemical Engineers*)
- Assisted in the grading of assigned homework
- Held office hours to facilitate learning of students in classes

- Developed grading rubrics for appropriate assignments

FELLOWSHIPS & GRANTS

Lemelson Minority Engineering Presidential Fellowship	September 2018
MIT University Center for Exemplary Mentoring Sloan Scholarship	September 2018
President's Undergraduate Research Award – Salary (Fall)	August 2017
President's Undergraduate Research Award – Salary (Summer)	May 2018

MEMBERSHIPS

Phi Sigma Pi, National Honor Fraternity
American Institute for Chemical
Engineers

National Society of Black Engineers
American Chemical Society