

Education

Yale University, New Haven, CT

- M.S. Biochemistry and Molecular Biology, *expected* May 20XX
- Thesis: Indole-3-butyric acid (IBA) biosynthesis in *Arabidopsis thaliana*
- Cumulative GPA: 3.9/4.0

University of Massachusetts, Amherst, MA, May 20XX

- B.S. Biochemistry and Molecular Biology, Minors: Chemistry and Psychology
- Cumulative GPA: 3.8/4.0

Technical Skills

Liquid Chromatography – Mass Spectrometry (LC-MS), Gas Chromatography-Mass Spectrometry (GC-MS), High Performance Liquid Chromatography (HPLC), Automated Liquid Sampler (ALS), Microsoft Office, ChemBio Office, NMR, UV

Research Experience

Rowland Institute of Science at Harvard University, *Research technician* (June. 20XX – May 20XX)

Supervisor: Name

Assisted in setting up the lab to run LC-MS analysis on populous plant tissue. Purchased supplies and instrument parts/accessories while working on updating firmware and software. Created and optimized extraction and analysis protocols.

UMass Amherst Department of Biochemistry and Molecular Biology, *Researcher* (Aug. 20XX – May 20XX)

Advisor: Name

M.S. Research, Used GC-MS based metabolite profiling and robotic sample prep to study the biosynthesis of small molecular regulatory compounds.

UMass Amherst Undergraduate Independent Study Research, *Researcher* (Aug. 20XX – June 20XX)

Advisor: Name

Quantification of indolic regulatory compounds in *Arabidopsis thaliana* mutants and applying the biosynthetic pathway knowledge to gain a better understanding in transgenic tobacco plants.

SPUR-Northeast Alliance for the Graduate Education and the Professoriate, *Participant* (Summer 20XX)

Advisor: Name

National Science Foundation funded summer program for undergraduate research located at UMass, Amherst. Performed quantitative analysis of auxins in tobacco using GC-MS; specifically IAN. Utilized this understanding to evaluate precursors and over-expression in *Arabidopsis thaliana*.

Management & Leadership Experience

Annual Fund, UMass Amherst, MA, *Student caller* (Aug. 20XX – Aug. 20XX)

Solicited donations for the University in amounts up to \$10,000.

Baystate Children's Medical Hospital, Springfield, MA (June 20XX – June 20XX)

Assisting in the family clinic and ICU

Committee for Collegiate Education of Blacks & other Minority Students (CCEMBS), Black Student Union (BSU) & Brothers & Sisters in Christ (BASIC). *Ambassador*, Amherst, MA (Aug. 20XX – May 20XX)

Increased participation in annual fundraising events by 90%, negotiated long-standing contracts to reduce costs for fundraising events by 50%, and initiated a scholarship fund for high-performing minority high school students applying for in-state colleges and universities.

African Student Associations. *President*, Amherst, MA (Aug. 2005 – May 2006)

Coordinated meetings and special events, lead online discussions, invited innovative speakers and performers for term events, coordinated community service drives and donations to area relief centers.

African Student Associations. *Secretary*, Amherst, MA (Aug. 2004 – May 2005)

Maintained organization's records for meetings, coordinated agendas for association, and introduced timely discussion points.

African Student Associations. *Social Chair*, Amherst, MA (Aug. 2003 – May 2004)

Influenced members of the ASA to participate in community social engagements, including the Senior Center's biannual mingles and the Department of Children and Family's Foster Care quarterly Picnic Extravaganzas.

Presentations

"Quantifications of Auxins – IAA and IAN in Tobacco Plants." Annual Joint Retreat between UMass Medical and UMass Amherst (BMB / CBI / BMP) dept. Worcester, MA. June 8, 20XX.

"Quantifications of Auxins – IAA and IAN in Tobacco Plants." 13th Annual Massachusetts Statewide Undergraduate Conference, Amherst, MA. May 2, 20XX.

Additional Skills

Spanish (proficient), French (conversational), Microsoft Word, SPSS software, Microsoft Excel, Photoshop, InDesign, basic HTML