

# Stanley Aneke

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## **Profile:**

- Award-winning, President of Boston Student Advisory Council
- Received 2019 Boston School Committee Award for Leadership
- Excellent public speaker, spoke with Ayanna Pressley & Ed Markey at Sunrise Green New Deal Tour
- Awarded City of Boston Scholarship, for educating students on climate change, and lobbying for progressive state and local legislation including environmental justice and gun reform
- Skilled in data analysis: Microsoft Word, Excel, Powerpoint, Minitab and Graphpad Prism
- Skilled in biochemistry wet lab techniques: Western blotting, PCR and Gel electrophoresis,

## **Education & Activities:**

### **Boston Latin Academy Class of 2019, Dorchester MA**

- *Captain* of Latin Academy Indoor Track
- Boston Latin Academy Debate Team

### **Umass Amherst Class of 2023, Biochemistry & Molecular Biology Amherst MA**

## **Community Service:**

- March For Our Lives Boston 10/2/18-7/13/19
- Youth On Board 09/26/18-7/14/19
- Sunrise Movement 01/18/19-present
- Voices of Boston (Founder of Non-profit) 05/4/21-present

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## **Work Experience:**

### ***Rotello Lab***

*Umass Amherst Department of Chemistry* (Supramolecular Research Chemist) 02/07/22–present

Performed research to combat resilient bacterial infections through nanomaterial-based strategies. Developed a combination therapy using engineered polymeric nanoparticles against resistant bacterial species. Analyzed the membrane perturbation ability of polymers against uropathogenic clinical isolates of *E. coli* and *Pseudomonas aeruginosa* using NPN uptake assays. Developed biodegradable antimicrobial polymeric nanoemulsions to be loaded into hydrogels, for effective topical wound biofilm therapeutics. Responsibilities ranged from: cell culturing, centrifugation, micro-pipetting, spectrophotometry and also formulation chemistry.

### ***Brighams & Women's Hospital & Harvard Medical School***

*Division of Infectious Diseases* (Clinical Research Intern) 06/06/22-09/01/22

Helped coordinate a clinical trial focused on infectious diseases such as Ventilator Associated Pneumonia (VAP) and Community Associated Pneumonia (CAP). For our study, we would take breath samples from patients with their consent. I would meet with many patients, families and attending physicians/residents to explain our study and get consent. Also helped operate a Gas Chromatography Mass Spectrometry Machine (GC-MS) and biomedical equipment for breath samples.

### ***Mass General Hospital & Harvard Medical School***

*Center for Engineering in Medicine & Surgery* (Biomedical Engineering Intern)

06/07/21-03/11/22

Assisted postdocs/MDs in Dr.Korkut's lab by helping them run liver perfusions, helped set up Normothermic

ex-vivo machine perfusion systems and analyzed data using a Rapidpoint 500 and Siemens machine. Skilled in running Packed red blood cell perfusions, and using transplantation devices like silicone and membrane oxygenators for cardiopulmonary bypass and ECMO.

***CVS Pharmacy Technician***

*11/1/20–03/10/22*

Role was to fill prescriptions, receive and verify the prescriptions, prepare medications for patients & call insurance companies, prescribers, patients and other pharmaceuticals.

***Red Bull***

Sales Representative (Northeast Region)

*02/10/21–09/10/21*

Helped amplify sales by speaking with restaurant, hotel and bar owners/managers to seek a partnership; by supplying them with Red Bull, providing marketing support & furthering connections.

***Bruce Municipal Building***

Office of Engagement & Equity (Boston Public Schools)

*09/26/17–8/03/19*

Recognized and utilized the power I held as a student, to dismantle political and economic structures that reinforce inequalities in the Boston Public Schools system; planned meetings, lobbied in the state house, and educated thousands of BPS students about their rights.