

**EDUCATION****Wellesley College***Candidate for Bachelor of Arts in Chemistry with a minor in Economics GPA 3.61*

Wellesley, MA

Expected May 2026

**Princeton High School***High School Diploma GPA 4.38*

Princeton, NJ

**Gonzaga Preparatory High School***GPA 4.00*

March 2019 – June 2022

Spokane, WA

August 2018 – March 2019

**RESEARCH EXPERIENCE****Mala Radhakrishnan Medicinal Chemistry Laboratory**

- Operation of VMD, MATLAB, and Linux
- Calculation of Electrostatic Binding Free Energies
- Optimization of Analysis Using Python

Wellesley, MA

January 2025 – Present

**Dr. Dawn DeMeo Channing Division of Network Medicine****- Brigham and Women's Hospital & Harvard Medical School**

- Managing & Analyzing Big Data - Buccal Methylation
  - Coding in R
  - Epigenetic Clocks
  - Implications of an Individual's Oral Exposome

Boston, MA

June &amp; July 2024

- Conducted a Review of the Literature - Precision Dental Medicine in American Indian Populations
- Presented Summer Research on ***Environmental Exposures Impacting Oral Health***

**Chris Arumainayagam Astrochemistry Laboratory Wellesley College**

- Performing Data Collection & Analysis of Electron Stimulated Desorption
- Operation of instruments on Ultra-High Vacuum Chamber, & Mass Spectrometer
- Establishing recommendations for future research parameters & direction
- Edited Professional Abstract & Research publications & Thesis submission
- Presented ***Experimental Simulations of Cosmic Water Ice***; desorption of cationic species from D2O

Wellesley, MA

January – May 2024

**NSCRC 2024****University of Florida Summer Health Professions Education Program**

- Presented ***Common Oral Health Issues in Adolescence and Adulthood***
- Case Study on ***Racial Disparities in Infant and Maternal Mortality and Morbidity***
- Poster Presentation ***Breast Cancer Mutations in TP53, RB1, and PTEN genes***

Gainesville, FL

May &amp; June 2023

**CLINICAL EXPERIENCE****Brigham and Women's Hospital****Student Shadow in Primary Care**

Boston, MA

July 2024

- Observed multiple Patient–Doctor interactions including Physicals, Check-ups, Examinations, New Patients, and Referrals

**DenTull General Dentistry****Student Shadow in Cosmetic & General Dentistry under Dr. Janak Tull**

Princeton, NJ

July &amp; August 2023

- Observed multiple extractions, novel crown preparation, bone grafts, & implant preparations
- Followed long standing clients, learned to effectively establish community centered service
- Studied Doctor–Patient empathy, multi-language skills, autoclave operation, & assistant responsibilities

**University of Florida Dental School Internship****Student Shadow in General Dentistry under the SHPEP Program**

Gainesville, FL

June 2023

- Learned methods of care and administrative expectations of 3rd year dental students in clinics.
- Completed 6 weeks of medical, dental, pharmacy, & public health coursework & intensives

**Molly Gunsaulis Pediatric Dentistry****Student Shadow in Administration & Surgery under Dr. Molly Gunsaulis DDS**

Spokane Valley, WA

July 2022

- Shadowed 30+ tongue-tie procedures, and 6 procedures under anesthesia
- Followed pediatric traumatic injuries & tooth extractions, & 12 Pre & Post Operative Consultations

**Marimn Health Dentistry****Student Shadow under Dr. Taylor Wilkens DDS & Dental Director**

Plummer, ID

August 2021

- Assisted with model mouth scans, and created crowns with a 3D digital waterjet machine
- Shadowed 10+ routine & complex filling procedures, extensive extractions & acute care surgical plans

**Student Shadow under Dr. Matthew Johnson DDS MBA**

- Shadowed pediatric dental examinations including simple fillings and tooth extractions

- Learned x-ray technique, cavity identification, & methodology for future care recommendations

**COMMUNITY SERVICE (2017-2025) Presidential Gold Service Award Recipient 2020**

<b>American Red Cross (12 hours)</b> <i>Blood Drive &amp; Certified CPR &amp; FIRST AID Volunteer</i> <ul style="list-style-type: none"><li>• Conducted Blood Drive Campaigns &amp; Recruitment</li><li>• Assisted Professional Personnel w/participant care</li></ul>	<b>AWANA Clubs &amp; Summer VBS Leader (1,134 hrs)</b> <ul style="list-style-type: none"><li>• Educated 12 - 20 children ages 3-7</li><li>• Encouraged health &amp; safety protocols</li><li>• Taught music, memorization &amp; sign language</li></ul>
<b>Building Bridges STEM Tutor Volunteer (40 hrs)</b> <ul style="list-style-type: none"><li>• Tutored 15 underprivileged youth weekly in STEM</li></ul>	<b>UGM Camp Tschimican Hospitality (170 hrs)</b> <ul style="list-style-type: none"><li>• Served over 60 underprivileged/ at-risk youth</li></ul>
<b>Ronald McDonald House (6 hours)</b> <ul style="list-style-type: none"><li>• Facilitated Crafts for pediatric patients &amp; siblings</li></ul>	<b>Boston Children's Hospital (16 hrs)</b> <ul style="list-style-type: none"><li>• Assemble goodie bags for pediatric patients</li></ul>
<b>Pinecroft Summer Camps Leader (504 hrs)</b> <i>Senior Camp Counselor &amp; Mentor 4 years</i> <ul style="list-style-type: none"><li>• Mentored 10-12 at-risk students ages 8-12</li><li>• Liaised for health &amp; wellness &amp; crisis prevention</li></ul>	<b>GPrep &amp; Boys &amp; Girls Club Food Drives (24 hrs)</b> <i>Food Acquisition &amp; Distribution Volunteer</i> <ul style="list-style-type: none"><li>• Collected 100,000+ lbs of food to 1,000 families</li><li>• Packaged Meals for Boston Homeless Population</li></ul>
<b>Hear Your Song Wellesley (10 hrs)</b> <ul style="list-style-type: none"><li>• Foster musical creativity among individuals with serious illnesses, and complex health needs</li><li>• Supported 3 children as they brainstormed, composed, and performed an original piece of music</li><li>• Checked-in with individuals, listening &amp; care</li><li>• Encouraging them to embrace moments of joy</li></ul>	<b>Cru Wellesley Leader (290 hrs)</b> <ul style="list-style-type: none"><li>• Organizing/leading regional &amp; Wellesley events including food drives, informationals, &amp; meetings</li><li>• Identifying volunteer opportunities in Wellesley &amp; Boston</li><li>• Group leader, encouraging Wellesley Students to look outside themselves, &amp; serve in their community</li></ul>
<b>Princeton Museum of Innovation &amp; Leadership (85 hrs)</b> <ul style="list-style-type: none"><li>• Consulted for program design and development</li><li>• Assisted with website design</li><li>• Mercer County Science Fair Preparation &amp; Flier Creation</li><li>• Head Judge Juniors Division – Mercer County Science &amp; Engineering Fair 2025</li></ul>	<b>Art Camp for Girls! Co Designer/Leader (52 hrs)</b> <ul style="list-style-type: none"><li>• Pre-K - 5th grade culinary art &amp; sewing/beading instructor.</li></ul>

**LEADERSHIP POSITIONS (2022-2024)**

- **Wellesley PreDental Society** – 1st Year Representative 2022-23 – Social Chair 2023-24 – Co-President 2025
- **Wellesley College Cru** – G3 Leader 2023-25 – Decorations Chair 2023-24 – Events Chair 2024-25 – Vice-President 2025
- **Wellesley College Choir** – Historical Committee 2022-24 – Rehearsal Committee 2025

**SKILLS**

- **Software & Admin.:** R, Adobe Photoshop, PDFjoiner, Google Suite, Microsoft Office Suite
- **Language:** Proficient Spanish, English, & Basic French
- **Certifications:** CPR/First Aid; Bloodborne Pathogens, Lifeguarding