# Charlotte Lichtenstein

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## EDUCATION

**Duke University -** *B.S. Chemistry, Biochemistry Concentration & Biology Minor* December 2026

**GPA:** 3.95/4.00

**Coursework:** Analytical Chemistry, Biochemistry, Organic Chemistry, Molecular Biology, Multivariable Calculus, English-Spanish Translation

## EXPERIENCE

**Private Math, Science, and ACT Tutor** - *Self-Employed* June 2026-Present

▪ Provide individualized tutoring in middle, high school, and college mathematics and science, including pre-algebra, calculus, chemistry, and biology.

▪ Develop customized curricula, lesson plans, practice assessments, and instructional materials tailored to students' learning needs, strengthening conceptual understanding, problem-solving skills, and academic confidence.

**Chemistry and Biology Researcher -** *Duke University* September 2024-May 2026

▪ Conducting research on copper transport and redox regulation in human serum albumin to elucidate protein-metal binding mechanisms in extracellular redox control.

▪ Applying HPLC and peptide synthesis to study Cu(I/II) coordination and its implications in oxidative stress prevention.

**Community Resource Navigator -** *Duke University Help Desk* October 2024–May 2026

▪ Collaborate with interdisciplinary healthcare teams to support patient care and address social determinants of health.

▪ Conduct patient-centered needs assessments in Durham and connect individuals to social support services, ensuring continuity of care through follow-up and care coordination.

**Dentistry Expert Advisor -** *Health Professions Coalition* January 2026–Present

▪ Advise pre-dental students on application preparation, including coursework, shadowing, and extracurricular involvement.

▪ Provide mentorship through workshops, helping students navigate the dental school application process and explore careers in dentistry.

**Communications Officer -** *Operation Smile* October 2024–December 2025

▪ Manage outreach and communications for campus initiatives supporting Operation Smile's global surgical programs.

▪ Help organize events and campaigns that raise awareness and engage students in efforts to expand access to surgical care.

**President & Founder -** *Brighter Smile Foundation* December 2024–Present

▪ Established and led the Duke chapter to promote preventive oral health education and improve access to dental hygiene resources in underserved Durham communities.

▪ Secured $5,000 in grant funding to distribute 1,000+ dental hygiene kits and partnered with 12+ community organizations to support local outreach initiatives.

**President -** *Global Dental Brigade* March 2025–Present

▪ Led planning and coordination of international service trips delivering dental care and oral health education to underserved communities.

▪ Recruit and organize student volunteers while managing logistics for supplies, fundraising, and program preparation.

**Surgical Technician -** *Oral & Maxillofacial Surgery of Central Jersey* June 2024–January 2025

▪ Assisted oral surgeons during procedures by maintaining sterile technique and preparing surgical instruments and equipment.

▪ Supported patient care in a fast-paced clinical environment while ensuring adherence to safety and sterilization protocols.

## COLLEGIATE EXTRACURRICULAR INVOLVEMENT

**Duke GANO** August 2024 – May 2025

*Member*

▪ Taught English as a Second Language to Spanish-speaking adults in Durham, supporting equitable educational access.

**Duke HAND** August 2024 – May 2025

*Member*

▪ Supported the Durham community living with chronic neurological conditions, applying an understanding of cognitive function and patient care coordination to promote well-being.

## SKILLS

**Languages:** Bilingual – English & Spanish (Professional Proficiency)