

HYEWON “GRACE” SEO

seohyewon.grace@gmail.com | Duluth, GA 30097 | (404) 645-5349

EDUCATION

Northwestern University

Bachelor of Arts in Biological Sciences and Art, Theory & Practice

The Weinberg College of Arts and Sciences

Concentration: Ecology, Evolution & Conservation Biology

Cumulative GPA: 3.746/4.000

Evanston, IL

2022 - 2026

HONORS & AWARDS

Brentano Prize

Northwestern University Department of Philosophy

June 2026

Awarded for “*The Agency Cultivation Model: Access Alone Cannot Liberate.*”

Windgate Foundation Scholarship

Northwestern University Department of Art, Theory, and Practice

June 2026

Scholarship supporting study at Ox-Bow School of Art & Artists’ Residency.

Faricy Award for Achievement in the Arts

Northwestern University Department of Art, Theory, and Practice

December 2025

First Place, Communication Sector

McCormick DTC Student Expo, Northwestern University

March 2023

RESEARCH EXPERIENCE

Arispe Lab, Northwestern University Feinberg School of Medicine

Chicago, IL

Research Aide

September 2024 - February 2026

Medical Illustrator

June 2025 - February 2026

- Maintained laboratory organization and inventory systems and supported day-to-day research operations, including preparation of solutions and materials.
- Organized research data and assisted with laboratory upkeep and workflow.
- Created medical and scientific illustrations for research and publication.

Wignall Lab, Northwestern University Department of Molecular Biosciences

Evanston, IL

Undergraduate Researcher

January 2024 - December 2024

Laboratory Aide

November 2023 - June 2024

- Investigated the effects of RNAi knockdown of kinetochores on microtubule organization in *C. elegans* oocytes using auxin/AID methods.
- Collected microscopy data using the DeltaVision Core system and analyzed images using softWoRx, FIJI, and Imaris.
- Maintained laboratory organization and safety through autoclaving, equipment upkeep, biohazard disposal, supply management, and reorganization of -80°C storage.

Ghalei Lab, Emory University School of Medicine

Atlanta, GA

Research Intern

January 2021 - May 2022

- Conducted literature review on the effects of rRNA modifications on *S. cerevisiae* ribosome fidelity.
- Used PyMOL, SnapGene, and Inkscape to map proteins and snRNAs and create scientific visualizations.
- Participated in weekly lab meetings and presented research findings.

CLINICAL & HEALTHCARE EXPERIENCE

Northwestern University Remote Area Medical

Evanston, IL

Dental Volunteer, Patient Intake Volunteer

September 2023 - June 2026

Marketing and Communications Chair

June 2024 - June 2026

- Supported mobile dental, medical, and optometry clinics serving patients in underserved communities throughout the Midwest.
- Assisted with clinic setup and breakdown, patient intake, dental sterilization, and coordination among clinicians, students, volunteers, and patients.
- Led recruitment of 200+ volunteers for clinic trips and supported communications and outreach efforts.

Peachtree Children's Dentistry

Duluth, GA

Pediatric Dental Shadowing & Clinical Support

September 2020 - May 2022;

June 2023 - September 2023; June 2024 - July 2024

- Completed 900+ hours of longitudinal pediatric dental observation while progressively taking on clinical and operational responsibilities.
- Supported patient intake, operator setup and turnover, sterilization, instrument organization, inventory, charting, and day-to-day clinic workflow.
- Assisted chairside during restorative and surgical procedures and performed sealants and dental impressions under appropriate supervision.
- Provided Korean-English and Chinese-English interpretation and communicated with children and parents in a fast-paced pediatric setting.

Health1Care Medical Group

Johns Creek, GA

Medical Intern

July 2021 - May 2022

- Managed patient charts and health records using Athena EMR.
- Assisted with chest X-rays, DEXA scans, and EKG procedures.
- Translated medical forms between Korean and English.

TEACHING & MENTORSHIP

Northwestern University Department of Biological Sciences

Evanston, IL

Undergraduate Teaching Assistant, Genetics & Evolution

January 2026 - March 2026

- Supported a required undergraduate biology course enrolling approximately 200 students.
- Developed exam questions and reviewed and edited assessments with the instructional team.
- Held in-person office hours and co-managed the Canvas course discussion board with a graduate teaching assistant.
- Proctored examinations and answered student questions during exam sessions.

College Admissions Consultant

July 2024 - February 2026

- Guided high school students and parents through the U.S. college application process, with particular experience supporting Korean diaspora families in the south (i.e., Georgia and Texas) navigating unfamiliar educational systems.
- Advised students on application strategy, school selection, essays, and overall application development.
- Supported successful admissions to institutions including Carnegie Mellon University, Rhode Island School of Design, Parsons School of Design (The New School), Georgia Institute of Technology, Emory University, University of Illinois–Urbana-Champaign, Purdue University, and others.

Books & Breakfast, Haven Middle School

Evanston, IL

Volunteer Tutor

November 2023 - June 2024

- Tutored middle-school students three mornings per week, primarily in mathematics, while providing support across other coursework and assignments.

TEACHING & MENTORSHIP (CONTINUED)

Private Tutor

June 2020 - December 2025

- Taught 40+ K-12 students across mathematics, biology, chemistry, psychology, economics, standardized-test preparation, and other subjects.
- Provided individualized academic support and mentorship across students with varied ages, goals, and levels of preparation.

LEADERSHIP, DESIGN & SERVICE

Northwestern University Biomedical Engineering Society Design Team

Evanston, IL

Design Team Leader

January 2023 - June 2025

- Led a team of 12 students in the design of an improved laryngoscope under mentorship from faculty at Northwestern University Feinberg School of Medicine Department of Pediatrics.
- Coordinated team workflow, design development, and project communication across a multidisciplinary student group.

Northwestern University Science Olympiad

Evanston, IL

Volunteer Coordinator

September 2022 - June 2023

- Recruited 70+ volunteers and coordinated logistics for an annual Science Olympiad competition serving 30 high schools across three states.

Knitwestern

Evanston, IL

Media / Marketing Chair

June 2023 - June 2025

Member

September 2022 - June 2025

- Organized and led weekly crochet project workshops, selecting projects, preparing kits and materials, and facilitating sessions for 20+ members consistently.
- Created promotional materials and managed social-media outreach for club programming.
- Supported member recruitment and event promotion.

New York Cares

New York, NY

Volunteer

March 2025 - Present

- Participated in recurring service projects including 9/11 Day of Service, Knit & Purl projects, and children's science education.

PUBLICATIONS

Dreggors-Walker, L., Rollins, E. S., Yu, J., **Seo, H.**, & Ghalei, H. *Insights into the regulation of ribosome biogenesis and function by ribosomal RNA modification.*

SELECTED SCHOLARLY WORK

“Agency as Navigational Capacity: Rethinking Responsibility and Care Under Medical Uncertainty”

2026

Independent Study in Philosophy, Northwestern University

Developed a philosophical framework for understanding agency, responsibility, and care under conditions of medical uncertainty

“The Agency Cultivation Model: Access Alone Cannot Liberate”

2025

Northwestern University Department of Philosophy

Recipient of the 2026 Brentano Prize.

SELECTED EXHIBITIONS & ARTISTIC STUDY

seniorShow_final_FINAL.atp

Evanston, IL

BA Senior Exhibition, Dittmar Gallery, Northwestern University

May 21 - June 14, 2026

Group exhibition presented by the Department of Art, Theory, and Practice and Dittmar Gallery.

SELECTED EXHIBITIONS & ARTISTIC STUDY (CONTINUED)

Ox-Bow School of Art & Artists' Residency
Sculptural Basketry, instructor: Dee Clements
Windgate Foundation Scholarship recipient.

Saugatuck, MI
July 2026

ADDITIONAL PROFESSIONAL EXPERIENCE

Northwestern University Department of Art History & Classics
Events Manager Aide

Evanston, IL
September 2024 - June 2026

- Supported departmental lectures and events through event setup and breakdown, technical assistance, photography, and promotional material design and distribution.

Averr Aglow

Duluth, GA

Cosmetic Chemistry Laboratory Technician Intern

February 2020 - May 2020

- Supported laboratory operations through glassware preparation, organization, and materials management.
- Participated in vendor meetings and developed a lemon verbena body milk formulation.

CERTIFICATIONS

American Heart Association Basic Life Support (BLS)

August 2026

Korean/English Medical Interpreter Certificate

October 2021

University of Georgia Center for Continuing Education

LANGUAGES

English – Native proficiency

Korean – Native proficiency; TOPIK II Level 6 (2022)

Mandarin Chinese – Working proficiency

French – Elementary proficiency

TECHNICAL SKILLS

Research & Imaging: DeltaVision Core Microscopy System, softWoRx, FIJI, Imaris, PyMOL, SnapGene

CAD & 3D Design: AutoCAD, Autodesk Inventor, SolidWorks, SketchUp

Design & Visualization: Adobe Illustrator, Photoshop, Lightroom, InDesign, Inkscape, Canva

Video & Media: Final Cut Pro, Adobe Premiere Pro

Computing: Python, Java, MATLAB, R, SQL, LaTeX

Productivity: Google Workspace, Microsoft 365

Clinical Systems: Athena EMR