

EMERSON HARMAN

visual science communication

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EDUCATION

- 2020–2024 **Rowan University**
Bachelors of Fine Art in Biomedical Art & Visualization
Biology Minor
Paleo-Art and Visualization Certificate of Undergraduate Study
Geographic Information Systems and Science Certificate of Undergraduate Study
John H. Martinson Honors College Concentration
President's Scholar of Excellence
Academic Integrity Review Board Member
Grade Grievance Review Board Member
- 2023–2024 **Charles University**
January-Term study abroad
Prague's Art and Architecture Through the Centuries
- 2023 **Universidad San Francisco de Quito**
January-Term study abroad
Ecosystems and Biodiversity in the Galápagos

PROFESSIONAL EXPERIENCE

- 2023 **Research Assistant**
Dr. Daniel Duran, Rowan University | Glassboro, New Jersey, USA
 - Data management and interpretation of Cicindelinae collections
 - Georeferencing collection data to create accurate and precise range maps
 - Compiling records data from multiple sources including the Symbiota Collections of Arthropods Network, personal collections, and citizen science platforms
- 2023 **Science Communication and Illustration Intern**
Monteverde Butterfly Gardens | Monteverde, Costa Rica
 - Learned effective science communication techniques with a focus on the insects of Costa Rica
 - Provided animal care to a variety of insects and arachnids
Developed bilingual illustration-based activities for children
- 2023 **Field Technician**
Oklahoma State University | Stillwater, Oklahoma, USA
 - Assisted with bird point counts, herpetofauna transects, and insect transects
 - Processed camera trap photos using a standardized file management system
 - Logo design for Dr. Courtney Duchardt's Dept. of Natural Resource Ecology & Management lab
 - Created spot illustrations of relevant plants and animals for publications
- 2022–2023 **Graphic Design and Scientific Illustration Intern**
United States Forest Service, Virtual Student Federal Service (VSFS) Program | Virtual
 - Learned about the U.S. Forest Service and current issues in forestry conservation
 - Created graphics for educational tools to aid in the identification, protection, and conservation of at-risk endangered and threatened species on forested land
 - Collaborated with interns and U.S. Forest Service employees across the country
- 2022–2023 **Assistant Vice President of Academic Affairs**
Rowan University Student Government Association | Glassboro, New Jersey, USA
 - Elected to the Student Government Association Executive Committee
 - Represented the student body in academics through biweekly Senate meetings, chairing the Academic Affairs committee, met regularly with University administration, and worked on initiatives to improve the student experience
 - Member of the Affordability Task Force

- 2022 **Medical Illustration Intern**
Children's Hospital of Philadelphia | Glassboro, New Jersey, USA
- Redesigned outdated patient education illustrations for physical therapy guides
 - Worked collaboratively with professional medical illustrators and medical professionals to create accurate and informative illustrations
- 2022 **Graphic Design Summer Intern**
Stantec Philadelphia | Philadelphia, Pennsylvania, USA
- Equity & Diversity Scholar
 - Learned brand standards and company graphic design precedents
 - Created designs for the interior decoration of renovated schools
 - Collaborated with industry professionals to develop design proposals for a non-profit organization
- 2020–2022 **Art Gallery Assistant**
Rowan University Art Gallery | Glassboro, New Jersey, USA
- Monitored a professional gallery space
 - Assisted in the installation and organization of work from internationally-renowned artists
 - Created promotional materials for current and upcoming exhibitions and events
- 2022 **Teacher's Assistant**
Rowan University Department of Photography | Glassboro, New Jersey, USA
- Assisted in facility management for film photography courses
 - Created promotional materials for the photography program
 - Applied specialty knowledge of photographic processes while assisting with film photography

SCHOLARSHIPS AND AWARDS

- 2024 U.S. Fulbright Semi-Finalist
- 2023 Student Travel and Professional Development Fund Recipient
 stART-up Gallery 3rd Place Award, Rowan University School of Innovation & Entrepreneurship
- 2022 Benjamin A. Gilman International Scholarship
 Donald B. Sayner Guild of Natural Science Illustrators Scholarship
 President's Scholar of Excellence, Rowan University (2020–2024)
 Lambda Pi Eta Communications Honor Society Inductee
 Stantec Diversity & Equity Scholar
 PFund Kerstin & Wynn Memorial Scholar
 Point Foundation Scholar Finalist
- 2021 Point Foundation Opportunity Grant Recipient
- 2020 Scholarship America Dream Award Scholar (2020–2024)
 The Sunitha Menon and Paul Grand Creative Inquiry Scholar (2020–2024)
 Elks National Foundation Most Valuable Student Top 20 Scholar (2020–2024)
 Rowan University Scholar (2020–2024)
 Rowan University Brown and Gold Scholar (2020–2024)
 Rowan University Biomedical Arts Scholar (2020–2024)
 Equitable Excellence Award
 President's Volunteer Service Award
 P.E.O. Star Scholar
 General Board of Higher Education and Ministry United Methodist Church Scholar
 National Honor Society Inductee
 Iowa County Association for Home and Community Education Scholarship Recipient
 American Red Cross Scholarship Recipient
 HOSA Future Health Professionals Scholarship Recipient
 Scholastic Art and Writing Award Recipient
 Prudential Spirit of Community Distinguished Finalist
 Dodgeville High School Distinguished Alumni
- 2018 Wisconsin 4-H Key Award

EXHIBITIONS, PRESENTATIONS, AND CONFERENCES

- 2023 **Entomology 2023 Annual Meeting**
Entomological Society of America | National Harbor, Maryland, USA
- 2023 **Birds of Payne County Photo Contest Judge**
Payne County Audubon Society | Payne County, Oklahoma
• Judge for the 2024 PCAS Birds of Payne County calendar
- 2023 **Rowan University Radio, Television, and Film Media Fest**
Rowan University Department of RTF | Glassboro, New Jersey, USA
• Judge for the high school 2D and 3D animation category
- 2023 **Guild of Natural Science Illustrators 55th Anniversary Juried Member Exhibition**
Virtual
• View artwork [here]
• Artwork selected in the annual GNSI Member's Exhibition by a panel of independent jurors
- 2023 **Enchanted Islands Exhibition**
Rowan University Rohrer College of Business | Glassboro, New Jersey, USA
• In collaboration with Creatives 230 and the School of Innovation & Entrepreneurship
• Series of photographs from a study abroad experience to the Galápagos Islands displayed in the Rowan University Rohrer College of Business Hall with an opening reception and artist talk
- 2022 **Hidden Worlds that Shine**
TILT Institute for the Contemporary Image | Philadelphia, Pennsylvania, USA
• Rowan University student photographers exhibition
- 2022 **Enrichment Procedure for the Isolation of Anaerobic Gut Fungi**
Rowan University 1st Annual ArtSci Symposium | Glassboro, New Jersey, USA
• Poster presentation of a 3D model representing a research lab focused on anaerobic gut fungi and their potential for future uses in biofuel
- 2022 **University Student Show: Photography in the Time of COVID**
PL130 Gallery at PhotoLounge | Philadelphia, Pennsylvania, USA
• Photograph selected for exhibition
- 2021 **PhotoLounge: Best of the Year Gallery Show**
PL130 Gallery at PhotoLounge | Philadelphia, Pennsylvania, USA
• Photograph selected for exhibition
- 2020 **Henry Vilas Zoo Juried Art Show**
Henry Vilas Zoo | Madison, Wisconsin, USA
• Illustration of *Macrodonia cervicornis* selected for the first annual art show

RESEARCH AND CREATIVE PROJECTS

- 2022–2023 **Beetles of Canada and the United States**
Illustrations for a dichotomous key to the tiger beetles of Canada and the United States under the direction of Dr. Daniel Duran
- 2022 **Rowan University Pre-Vet Club Logo**
Logo design for the Rowan University Pre-Vet Club
- 2020 **Bader-Rutter**
Freelance artist contracted to create illustrations for a promotional offering
- 2020 **Range Maps and Illustrations**
Harman, A. J., Hoback, W., & Royer, T. A. (2020, September). Oklahoma's Bird Grasshoppers. Division of Agricultural Sciences and Natural Resources

2020 **Range Maps and Illustrations**

Harman, A. J., & Oklahoma State University. (2020, July). Grasshoppers of the Western U.S.
Grasshoppers Boopedon gracile

PROFESSIONAL ORGANIZATIONS

- 2023–Present **Entomological Society of America**
Member
- 2022–Present **Guild of Natural Science Illustrators**
Member
- 2022–Present **Lambda Pi Eta**
Member
National Communications Honor Society

CERTIFICATIONS

- 2023 **UN Sustainable Development Goals LAB Workshop**
Foundation for Environmental Stewardship
- 2023 **Gilman Program Alumni**
Benjamin A. Gilman International Scholarship
Credential ID 69204382
- 2023 **Avant STAMP 4S Spanish Language Exam**
Composite Score: 4.75 (Intermediate)
Reading: 6 (Intermediate High)
Writing: 4 (Intermediate Low)
Listening: 5 (Intermediate Middle)
Speaking: 4 (Intermediate Low)

TECHNICAL EXPERIENCE

Software

Autodesk 3D Studio Max
Autodesk Mudbox
Autodesk Revit
Enscape
BIM 360
Adobe Photoshop
Adobe InDesign
Adobe Illustrator
Adobe After Effects
Adobe Lightroom
Adobe Substance Painter
Adobe Premiere
Adobe Acrobat Pro
ArcGIS Pro
ArcGIS Online
QGIS
Figma
Microsoft 360 Suite

Techniques

Graphite
Charcoal
Colored Pencil
Pen and Ink
Painting, Acrylic
Carbon Dust
Sculpture, Clay
Sculpture, Welding
Sculpture, Plaster
Raster Illustration
Vector Illustration
Graphic Design
3D Modeling
Digital Photography
Film Photography