

Emma Garman

719-208-9465 · emmagarman1@gmail.com · Thornhill, ON L4J8N1

EDUCATION

Scripps College

Aug. 2022 – May 2026

Bachelor of Arts | Claremont, CA, U.S.A.

- GPA: 3.9 (unweighted), 2022–2026 Dean's List
- Relevant Coursework: Chemistry, Biology, Vertebrate Physiology, Soil Sciences, Tropical Biome Ecology & Climate Change, Environmental Sustainability and Socio-economic Value, Wildlife & Conservation Biology, Advanced Painting, Advanced Drawing, Sculpture, Ceramics and Ecology, Honors Art Thesis, Watercolor, Color Photography, Black & White Darkroom Photography

Paris College of Art — Study Exchange

Jan. 2025 – May 2025

Paris, France

- Semester-long art school exchange focused on studio art practice

School for Field Studies — Study Exchange

Sept. 2024 – Dec. 2024

Queensland, Australia

- Semester-long exchange program at the Centre for Rainforest Studies, combining independent ecological research and immersive environmental education at a rainforest field station in Queensland, Australia

Fountain Valley School of Colorado

Aug. 2019 – May 2022

Grades 10, 11 & 12 | Colorado Springs, CO, U.S.A.

- GPA: 4.0 (unweighted) — Dean's List 2019–2022
- Cum Laude Society 2021–2022; Froelicher's Academic Honor Society 2020–2022
- The Fountain Valley School Summit Scholarship 2019–2022

ART EXPERIENCE

Honors Art Thesis Exhibition

2025–2026

Scripps College | Claremont, CA, U.S.A.

- Produced a senior honors thesis body of work at the intersection of marine biology and visual art
- Work exhibited in the Scripps College Art Exhibition, including painting *Entangles*

Paris College of Art Final Show

May 2025

Paris College of Art | Paris, France

- Exhibited work produced during semester exchange in the college's annual final art show, including *Flores in Vita et Morte*, *Conversations Between Colors*, and *Bleached*

Featured Artist

2022

Colorado Springs Art Gallery | Colorado Springs, CO, U.S.A.

- Work selected, featured, and sold in a Colorado Springs gallery

JOB EXPERIENCE

Laboratory Technician

June 2025 – Aug. 2025

Salk Institute for Biological Studies | La Jolla, CA, U.S.A.

- Conducted cancer immunology and mitochondrial biology research in the Kaech and Shadel Labs
- Performed Western blots, PCR, tissue culture, microscopy, and flow cytometry
- Cultured and treated melanoma cell lines with chemotherapeutics; analysed drug response and protein expression
- Investigated microglial AXL receptor signaling during tumor immune evasion in glioblastoma (GBM) mouse models

Independent Research

Aug. 2024 – Dec. 2024

School For Field Studies, Center for Rainforest Studies | QLD, Australia

- Organized and conducted research on rainforest revegetation from hypothesis to scientific paper drafting
- Collected data within transects in different rainforest restoration plots; analyzed species composition, vine density, exotic species, biomass, and structural metrics
- Submitted manuscript "Plant Species Composition and Structural Differences Between Disturbed and Undisturbed Tropical Rainforest Restoration Sites" to *Ecological Management and Restoration*

Ferree Laboratory Intern

May 2024 – July 2024

Patrick Ferree's Lab, Keck Science Department, Claremont Colleges | Claremont, CA, U.S.A.

- Conducted research on the Paternal Sex Ratio (PSR) Chromosome, a selfish B Chromosome causing abnormally high transmission rates in *Nasonia vitripennis* wasps
- Performed Fluorescence In Situ Hybridization on over 170 *N. vitripennis* individuals; used microscopy to examine sperm cells for PSR copy number
- Published as leading author in *PLoS Biology*
- Independently organized and ran FISH experiments, RNAi treatments, and PCR tests

NoNO Inc. Laboratory Intern

May 2023 – Aug. 2023

Krembil Research Institute at Toronto Western Hospital | Toronto, ON, Canada

- Assessed and improved efficacy of next-generation stroke therapeutic drugs through formulation improvements to increase bioavailability
- Assessed hyaluronidase activity in drug formulations by measuring cleavage of hyaluronic acid via spectrophotometry

Academic Resources Intern

Apr. 2023 – Present

Scripps College | Claremont, CA, U.S.A.

- Manage the customer front desk at the Academic Resource Center; responsible for answering calls, assisting students, scheduling appointments, and proctoring exams