Malcolm Albergo-Radisch

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Objective

Seeking opportunities to apply my interests in regenerative medicine, imaging, and lab management. Curious and Impact-motivated, I aim to benefit the maximum number of people with the highest efficiency possible.

Education

North Carolina State University (NCSU), College of Engineering Raleigh, NC — Aug 2023-May 2027
University of North Carolina at Chapel Hill (UNC), School of Medicine Chapel Hill, NC — Aug 2023-May 2027
Undergraduate in Lampe Joint Department of Biomedical Engineering, NCSU & UNC
GPA: 3.447 | Minor: Teamwork in Interdisciplinary Biomedical Research, NCSU
North Carolina School of Science and Mathematics (NCSSM) Durham, NC — Aug 2021-May 2023

Experience

Undergraduate Research Fellow, NCSU Raleigh, NC — May 2025-Present
Studied under Dr. Jorge A. Piedrahita at the College of Veterinary Medicine. Produced novel methods for lung inflation with agarose. Analyzed IHC and H&E images of fibrotic airways in QuPath.

Village Mentor, Albright Entrepreneurship Village (AEV), NCSU Raleigh, NC — Mar 2025-Present
Planned and executed events for the entrepreneurship community on centennial campus at NCSU. Built community through a shared entrepreneurial and innovative spirit.

Study Abroad, NCSU Barranquilla, Colombia — May 2024 – July 2024
Studied engineering economics and energy geography at Universidad del Norte, a public university in Colombia's Atlántico region. Engaged with Colombian and Caribbean cultures.

Lab Education Facilitator, Museum of Life & Science (MLS) Durham, NC — Nov 2023-Jan 2026
Utilized inquiry-based learning to engage young learners, facilitated spaces and demonstrations (animal, insect, planetarium and liquid nitrogen) for guests.

Relevant Coursework

Engineering Economics (Uninorte. Barranquilla, Colombia) - Present worth, benefit/cost ratios
Junior Design - Solidworks modeling and simulation, manufacturing processes, risk and traceability matrix
Signals & Systems – Signal analysis on the time and frequency domain, MATLAB, linear algebra
Fund. Tissue Engineering – Design, production and seeding of scaffolds for 3D culture; bioreactors
Human Physiology: Mech. Analysis – Fluid dynamics applied to circulatory, pulmonary and renal systems

Awards and Certifications

VenturePack Challenge Finalist, NCSU
Force Multiplier Award 2025, NCSU I&E
Dean's List – 4 semesters, NCSU
Human Subjects Protection: Biomedical Research, CITI

Organizations and Service

University Honors Program, NCSU
Grand Challenges Scholars Program, NCSU
Innovation and Entrepreneurship, NCSU
Carolina Diplomacy Fellows, UNC
Photography TA, NCSSM
Eagle Scout, Boy Scouts of America

Skills

Image analysis - QuPath, Fiji
AI - Gemini, Claude
Music - Guitar, Bass
Coding - Python, R, MATLAB
Excel, Teams, Powerpoint
Reptile and mammal handling
SolidWorks - modeling, simulation
Public Speaking, Improv
Insect and arachnid handling