

ryan issa ryjissa@gmail.com
ri59@cornell.edu

917-921-3347

education	august 2022- may 2026	Cornell University College of Engineering <i>B.S. Civil Engineering with a Minor in Architecture</i>
		3.967 GPA 6x Dean's List
	july 2024- august 2024	Columbia University Graduate School of Architecture, Planning, and Preservation <i>Introduction to Architecture Program</i>
	june 2024- july 2024	Pratt Institute <i>Summer Architecture Intensive</i>
	june 2023- august 2023	Hong Kong University of Science and Technology <i>International Summer Exchange Program</i>
work experience	may 2025- august 2025	Minnesota Department of Transportation — Minneapolis, Minnesota <i>Bridge Office Student Worker Paraprofessional Senior</i>
		Conducted inspections of over 30 bridges, culverts, and walkways across the Twin Cities daily, utilizing snoopers and performing internal inspections when necessary. Photographed structural members during inspections and annotated photographs for future reference. Filed reports for each structure in a federal database, flagging deficiencies necessitating repair.
	august 2024- may 2025	Qi Li Group — Ithaca, New York <i>Independent Researcher</i>
		Created a navigation algorithm that provides New York City cyclists and pedestrians with more heavily shaded and protected routes in order to mitigate the urban heat island effect and increase awareness of transportation inequalities. Utilized QGIS and Python to merge bike route, street, building footprint, and tree canopy datasets to inform a real-time shade model of New York City. Was awarded the Aizen Climate Research Scholars Fund grant.
	march 2023- october 2025	Cornell Human College of Human Ecology — Ithaca, New York <i>Student Photographer</i>
		Captured academic enrichment by shooting and editing photos of classes, events, students, and faculty. Contributed to recognition of research and faculty achievements by working closely with faculty, speakers, and research groups to direct shoots that showcase their work. Photos featured throughout social media material, webpages, and on campus screens and walls, and will have photos featured in an upcoming textbook.

**june 2022-
january 2024** Michael Scaduto Architect — Brooklyn, New York
Architectural Intern

Utilized AutoCAD to create architectural and structural drawings of projects using collected measurements and documentation. Planned demolitions and visualized renovations in order to facilitate effective remodels. Annotated drawings to contain information relevant to building code compliance, making them accessible for a large number of contractors.

**leadership
experience**

**april 2024-
present** Studio: Photography Collective — Ithaca, New York
President and Co-founder

Directs a rigorous and rewarding studio environment to develop independent photographers' technical and narrative skills through workshops and lectures. Establishes relationships with faculty and professionals to host lectures and conduct review sessions with students. Designs and publishes a print magazine to share the work of all club members to the greater Cornell community.

**october 2022-
april 2024** Engineers Without Borders Chapter at Cornell — Ithaca, New York
Business Sub-team Co-lead

Garnered donations and recruited new members by directing, filming, and editing informational videos for the project team website and Instagram. Created a curriculum to engage elementary and middle school students with engineering in a digestible manner.

**september 2022-
may 2024** Cornell Fashion Collective — Ithaca, New York
Director of Photography

Developed creative directing skills in editorial photography by shooting and directing photoshoots for runway shows, social media, and the club website. Mentored new photographers by teaching technical and compositional skills, and assisted them in directing their own shoots.

**community
service**

may 2023 The Berkeley Carroll School — Brooklyn, New York
Project Brooklyn Instructor

Taught a course on cycling stewardship and activism to a small group of middle school students. Led workshops relating to bicycle maintenance and pedestrian-focused urban planning and facilitated conversations with transportation activists and decision-makers from organizations like Transportation Alternatives. Classes were book-ended with group bike rides throughout Brooklyn and Manhattan.

presentations

april 2025 Cornell University College of Engineering — Engineering Learning Initiatives Undergraduate Research Poster Session — Ithaca, New York
Improving Thermal Comfort for Cyclists and Pedestrians by Considering Tree Shading in Routing

**exhibited
work and
performances**

- december 2025** Cornell University Computer Music Production Showcase — Ithaca, New York
The Tomb of the Unknown Soldier — Multi-track Audio Performance
- november 2024** Lauren Pickard Art Gallery — Cornell University Willard Straight Hall Art Gallery
— Ithaca, New York
Sanctuary — Digital Photography
- september 2024** “Energies” Group Show — Cherry Arts Gallery — Ithaca, New York
LOVO — Digital Video
- march 2023-
present** Cornell University College of Human Ecology Campus — Ithaca, New York
*Various Images on Display Throughout Academic Buildings on Screens and
Printed on Walls — Digital Photography*

technical skills

Rhinoceros3D, AutoCAD, QGIS, Climate Studio, MASTAN2, Adobe Suite, Digital Photography, Final Cut Pro, Ableton Live, Pure Data, Excel, Python, HTML, CSS, PHP

**honors and
grants**

- march 2025** Contribution Project Independent Project Award
\$300
- january 2025** Aizen Climate Research Scholars Fund
\$800
- april 2023** CUEmpower Peer Protégé Award
\$100

**societies and
organizations**

American Society of Civil Engineers, Louis Stokes Alliances for Minority Participation Scholars, Simmons Scholars, National Society of Black Engineers, Black Architects, Artists, and Planners, Transportation Alternatives