

ryan issa

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**education**

**august 2022-** Cornell University College of Engineering  
**may 2026** *B.S. Civil Engineering with a Minor in Architecture*

3.967 GPA  
6x Dean's List

**july 2024-** Columbia University Graduate School of Architecture, Planning, and  
**august 2024** Preservation  
*Introduction to Architecture Program*

**june 2024-** Pratt Institute  
**july 2024** *Summer Architecture Intensive*

**june 2023-** Hong Kong University of Science and Technology  
**august 2023** *International Summer Exchange Program*

**work experience**

**may 2025-** Minnesota Department of Transportation — Minneapolis, Minnesota  
**august 2025** *Bridge Office Student Worker Paraprofessional Senior*

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-** Qi Li Group — Ithaca, New York  
**may 2025** *Independent Researcher*

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-** Cornell Human College of Human Ecology — Ithaca, New York  
**october 2025** *Student Photographer*

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.

<b>leadership experience</b>	<p><b>june 2022-</b> Michael Scaduto Architect — Brooklyn, New York  <b>january 2024</b> <i>Architectural Intern</i></p> <p>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.</p>
	<p><b>april 2024-</b> Studio: Photography Collective — Ithaca, New York  <b>present</b> <i>President and Co-founder</i></p> <p>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.</p>
	<p><b>october 2022-</b> Engineers Without Borders Chapter at Cornell — Ithaca, New York  <b>april 2024</b> <i>Business Sub-team Co-lead</i></p> <p>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.</p>
	<p><b>september 2022-</b> Cornell Fashion Collective — Ithaca, New York  <b>may 2024</b> <i>Director of Photography</i></p> <p>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.</p>
<b>community service</b>	<p><b>may 2023</b> The Berkeley Carroll School — Brooklyn, New York  <i>Project Brooklyn Instructor</i></p> <p>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.</p>
<b>presentations</b>	<p><b>april 2025</b> Cornell University College of Engineering — Engineering Learning Initiatives Undergraduate Research Poster Session — Ithaca, New York  <i>Improving Thermal Comfort for Cyclists and Pedestrians by Considering Tree Shading in Routing</i></p>

<b>exhibited work and performances</b>	<b>december 2025</b>	Cornell University Computer Music Production Showcase — Ithaca, New York <i>The Tomb of the Unknown Soldier — Multi-track Audio Performance</i>
	<b>november 2024</b>	Lauren Pickard Art Gallery — Cornell University Willard Straight Hall Art Gallery — Ithaca, New York <i>Sanctuary — Digital Photography</i>
	<b>september 2024</b>	“Energies” Group Show — Cherry Arts Gallery — Ithaca, New York <i>LOVO — Digital Video</i>
	<b>march 2023-present</b>	Cornell University College of Human Ecology Campus — Ithaca, New York <i>Various Images on Display Throughout Academic Buildings on Screens and Printed on Walls — Digital Photography</i>
<b>technical skills</b>		Rhinoceros3D, AutoCAD, QGIS, Climate Studio, MASTAN2, Adobe Suite, Digital Photography, Final Cut Pro, Ableton Live, Pure Data, Excel, Python, HTML, CSS, PHP
<b>honors and grants</b>	<b>march 2025</b>	Contribution Project Independent Project Award \$300
	<b>january 2025</b>	Aizen Climate Research Scholars Fund \$800
	<b>april 2023</b>	CUEmpower Peer Protégé Award \$100
<b>societies and organizations</b>		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