

Education

2025 - Present

Massachusetts Institute of Technology (MIT)

Master of Architecture (MArch)

- Awarded Department Fellowship (90% tuition)

2016 - 2021

Toronto Metropolitan University (TMU, formerly Ryerson University)

Bachelor of Architectural Science (BArchSc) + Co-op

Research

Oct 2020 - Mar 2024

New Wood Open Architecture Atlas

Research Assistant for Dr. Paul Floerke

- Created an online digital atlas for New Wood Open Architecture (NWOA) to catalog precedents of built wood projects and research ([LINK](#))
- Developed graphics to represent NWOA criteria, mapping the degree of inclusion of dwellers in the conceptualization, construction and maintenance of their lived environments
- Organizing and archiving images, texts, and other content received from architecture practices into a database to auto-populate precedent project pages
- Prioritized ease of future site updates through overall site design and creating user guides for future research assistants
- Presented the atlas and research at TMU's Faculty of Engineering and Architectural Sciences 2022 Teaching Seminar

Jun - Sept 2021

Longhouse 5.0 - An Extended Reality (XR) Experience

Researcher for Namir Ahmed and Professor Vincent Hui

- Developed digital sketch models of pre-contact Huron-Wendat settlements alongside the development of an educational XR game produced in a cross-institutional collaboration between Toronto Metropolitan University and Sheridan University
- Researched, organized, and archived reference material for production artists and validated accuracy of modeled assets in relation to references, as well as conducted source interviews
- Authored summaries of relevant subject material to support game design and production
- Vetted narrative citations and recorded paradata

Practice

Apr 2024 - Aug 2025

Arup, Toronto

Architectural Designer

Jan 2023 - Mar 2024

Graduate Architectural Designer

May 2019 - Sept 2021

Architecture Co-op Intern

- Developed visual direction for City of Toronto guidelines documents and led a team in graphics production for 25 public documents
- Prototyped an interactive digital platform to facilitate a client workshop for Arup's Sustainability team's deconstruction assessment of a heritage building in Montreal
- 3D modeled and prepared drawings at schematic design and construction document phases of projects using Revit
- Managed workloads on concurrent projects, occasionally alongside colleagues in different disciplines and in different timezones
- Contributed to the preparation visual material for client meetings and stakeholder presentations
- Prepared user guidelines and hosted tutorial sessions for colleagues on using the laser cutter and 3D printers in digital fabrication lab

Aug 2022 - Dec 2022

Lebel & Bouliane, Toronto

Architectural Designer

- Created diagrams and other presentation material for client meetings
- 3D modeled, rendered, and photoshopped views for project proposals, website, and marketing publications using SketchUp, Enscape, and Photoshop
- Drafted schematic plans for test fits on AutoCAD
- Post production of photographs of completed projects for website, marketing, and project portfolio

Aug 2021 - Jul 2022

Gow Hastings Architects, Toronto

Architectural Designer

- Created conceptual vignettes and maps for successful project bids
- Generated sun studies, and produced renders using Revit, Enscape and Photoshop
- Collaborated in 3D modeling and the production of drawings at all design phases
- Independently coordinated preliminary CA phase for two commercial units at Pearson International Airport

Department of Architectural Science Workshop, TMU, Toronto

Jan - Apr 2021

Jul - Sept 2020

Workshop Assistant

- Wrote scripts, filmed, voice-recorded, and edited tutorials and virtual tours of the architecture building, informing incoming architecture students on how to use digital and analog shop tools
- Manned a virtual help desk on Zoom for students seeking out software and 3D modeling troubleshooting

Ryerson Summer Day Camps, Toronto

May - Aug 2018

Camp Counselor

- Developed teaching material, lead classes, and compiled student work for primary and secondary school students enrolled in the Digital Creativity and Architecture camps
- Taught students fundamental skills on Adobe Illustrator and Photoshop, 3D modeling, printing 3D models, importing their 3D files into Yulio for virtual reality viewing on VR goggles they assembled

Mallol Arquitectos, Panama

May - Jul 2017

Jun - Aug 2016

Communications Intern

- Established systems to archive film negatives and projector slides of the firm's 1980s post-modernist projects.
- Updated company website and supported in creation of graphic assets.

Exhibitions and Installations

Parking Day 2023

Aug - Sept 2023

Project Lead

- Led fabrication for and facilitation of a day-long interactive street installation
- Coordinated volunteers in laser cutting of interactive components and facilitating the drawing exercises
- Coordinated and participated in build and tear-down logistics on the event date

Silver: A Visual Art Showcase

Aug - Oct 2022

Virtual Gallery Designer

- Commissioned by Ogbe David Ogbe (Artist and Producer) for his debut exhibit at 401 Richmond Building
- Developed a web-based digital platform for the art show to facilitate engagement and further expression of the exhibition's narrative
- 3D modeled space and assets, material mapped, and rendered scenes to depict a virtual exhibition space

Tripix: Icebreakers International Design Competition 2019

Sept 2018 - Mar 2019

Co-designers: T. Estrina, T. Gomez, G. Zhou, V. Tameta, Z. Mohammed Ali

- Exhibited at HTO Park and Nathan Phillips Square, Toronto
- Collaborated in the ideation, design development, project proposal, and prototyping of the installation
- Participated in fabrication of installation elements, full-scale practice build, and final installation at two sites
- Coordinated volunteers to assist in practice and final build and documented process through photo and video

Publications and Conference Proceedings

City of Toronto Net Zero Building Guidelines

2025

Arup for the City of Toronto

- Collaborated with technical team in establishing overall sequencing and layout 25 public-facing documents
- Designed creative direction for all document visuals and managed production of graphics
- Researched Toronto building stock to inform representations of archetypes and their respective retrofits

Architecture and Videogames Intersecting Worlds, published by Routledge

Jan 2025

Edited By Vincent Hui, Ryan Scavnick, Tatiana Estrina

- Contributed illustrations in Section 2.1. Visualizing the Indigenous Architectural Past through Virtual Reality & Gaming Kristian Howald, Michael Carter, Namir Ahmed and Section 2.5. Mantle Site Workflow Kristian Howald, Michael Carter, Namir Ahmed

Architectural Accessibility and Pedagogy Via Virtual Reality Integration

Jan 2020

HUIC - 9th Annual Arts Humanities, Social Sciences and Education Conference, Honolulu, O'ahu, Hawaii

- Co-authored and co-presented alongside Prof. V. Hui, T. Estrina, G. Zhou, & S. Lee

Reaffirming "Design Thinking" Through "Design Doing"

Nov 2018

11th Annual International Conference of Education, Research and Innovation, Seville, Spain

- Co-authored with Prof. V. Hui, G. Tratnik, & Z. Mohammed Ali
- Co-presented alongside G. Tratnik, & Z. Mohammed Ali

Volunteering

Oct 2025 - Present

MIT Farm

Volunteer

- Harvesting crops at Hannan Farms and Boston Medical Clinic Farms

Jan - Apr 2021

New Architecture Building Committee

Student Representative

- Contributed student input to a committee informing programming needs for a new department building on campus

Oct 2025 - Present

History/Theory Working Group

Student Representative

- Represented student interests in a committee of faculty and staff restructuring the history/theory courses in our undergraduate curriculum

Jul 2018 - Jan 2020

American Institute of Architecture Students (AIAS)

Forum 2019 Conference Programming Director

- Invited speakers and workshop hosts from Toronto's architecture industry and supported their keynote speech and seminar preparations
- Managed the conference schedule for 500 attendees and coordinated preparation of rooms with venue staff

May 2018 - Apr 2019

TMU Chapter President

- Coordinated leadership team and facilitated planning of events, tutorials, and site visits (office tours)
- Coordinated travel logistics for chapter members' attendance at international conferences including applying for funding and managing travel itineraries

2017 - 2018

Sept 2017 - Apr 2018

Oct 2016 - Apr 2017

Global Council Member

Programming Coordinator

First Year Representative

Conferences

Jan 2020

Hawaii University International Conferences - Arts Humanities Social Sciences & Education Conference

Co-presented alongside Prof. V. Hui, T. Estrina, G. Zhou, & S. Lee - Honolulu, O'ahu, HI

Dec 2019 - Jan 2020

American Institute of Architecture Students - Forum 2019 Conference

Programming Director in the planning committee - Toronto, ON

Nov 2019

12th Annual International Conference of Education, Research and Innovation

Co-presented alongside G. Tratnik, & Z. Mohammed Ali - Seville, Spain

Mar 2015 - Oct 2015

Panama Model United Nations XXIII

Secretary General and conference organizer - Panama City, Panama

Awards

Metals in Construction 2023 Design Challenge

Runners-up: Midtown Green an Office to Residential Submission

Co-designers: J. Cicconi, K. Schorn, K. Brittles, N. Becker, D. Farnsworth, O. Pavlenko, M. Walsh-Cooke, M. Schulte, S. Berrigan, I. Judah, T. McNamara, P. McConnell, J. Moody, R. Mann, J. Francisco

Dean's List 2020 - 2021, 2017 - 2018

Faculty of Engineering and Architectural Science

Minimum GPA of 3.5 for the academic year

NCC Urban Design Challenge 2020

Runners-Up: Redesign of the Sussex Courtyards in Ottawa, Canada

Co-designers: L. Werdina & M. Igbuku

Black Excellence Award 2020

Office of the Vice-President, Equity and Community Inclusion

Recognition of outstanding achievements for advancing Black Excellence at Ryerson and in the greater Toronto community through dedication and support of the Black diaspora.

Ted Libfeld BILD Scholarship 2018

Funded by Building Industry and Land Development Association

Department of Architectural Science Awards - \$1,000

Invited Guest Reviewer

ARC 920 New Wood Open Architecture - 4th Year Winter Studio

Apr 2025, Apr 2024, and Apr 2023 - Guest Reviewer

Department of Architectural Science, Toronto Metropolitan University

ASC 301 Design Studio: Intention and Expression - 2nd Year Fall Studio

Dec 2023 - Guest Reviewer

Department of Architectural Science, Toronto Metropolitan University

Skills

3D modeling: Rhino, Revit, AutoCAD, SketchUp, MicroStation, Grasshopper, Maya, ClimateStudio

Adobe: Illustrator, Photoshop, InDesign, Premier Pro, After Effects, XD

Rendering: Enscape, V-Ray, Yulio VR, Redshift

Fabrication: Laser Cutting, 3D Printing, Traditional shop tools

Languages: English, Spanish, Swahili, Kikuyu