Mariia Parkhomchuk
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Education

Carleton University June 2027
Ottawa, Canada
Bachelor of Engineering: Architectural Conservation and Sustainability Engineering. GPA: 9.9/12.
Relevant Coursework: Thermodynamics, Fluid Mechanics, Programming and Data Management (Python), Conservation of Architectural Heritage in Canada, Solid Mechanics, Structural Analysis and Design, 3D Scanning and Photogrammetry, Structural Design: Steel, Concrete, Masonry, and Wood.
General In-Course Faculty Scholarship, Award of Excellence for International Students, and Faculty Scholarship.

Kharkiv School of Architecture June 2022
Kyiv-Kharkiv, Ukraine
Completed 80 working credits.
Relevant Coursework: Photography, Sociology, Urbanism, Philosophy of Architecture, Graphic Design, Model Making.

Dragomanov Gymnasium May 2022
Kyiv, Ukraine
Average: 11.4/12.

Art School №8 May 2020
Kyiv, Ukraine
Average: 11/12.
Relevant Coursework: Graphic Illustration, Painting, Composition, Decorative Composition, Sculpture, Art History.

Experience

DTEK July-August 2026
Kyiv, Ukraine
Summer Intern
- Drafted structural drawings for the fence enclosing the service area of a wind power plant, including full technical specifications.
- Prepared facade drawings for the wind power plant's service buildings.
- Performed thermal engineering heat-loss calculations for the administrative building.
- Built a 3D model of the weighing complex building.

Art Studio "Eskiz" July-August 2025
Kyiv, Ukraine
Assistant to Art Teacher
- Assisted children (ages 8+) with drawing techniques and provided guidance during lessons.
- Set up still-life compositions and drawing setups for students.
- Ensured cleanliness and organization of the studio workspace.

iC Consulenten July-August 2025
Kyiv, Ukraine
Junior Engineer Intern
- Conducted research on historical buildings in Ukraine, focusing on conservation and preservation.
- Contributed to documentation related to nearly zero-energy buildings (nZEB) and EU Taxonomy compliance projects.
- Assisted with projects using AutoCAD and DesignBuilder, preparing layouts and carrying out basic modelling tasks.
- Was part of the site management team, visiting construction sites and ensuring the progress of work.

Eco-Optima June-August 2024
Lviv, Ukraine
Intern in the Project Development Department
- Designed single-line diagrams for ongoing gas treatment projects in Western areas of Ukraine.

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- Designed diagrams of power transmission lines.
- Contributed to calculations and design of foundations for complex electrical distribution devices and power transformers.
- Assisted with inspections of the windmills, solar panels, and their transmission systems (complete switchgear, complete transformer substations).

Bank Lviv August 2024
Lviv, Ukraine
Intern in the Sustainability Department
- Observed the operations of the bank's Sustainable Development Department and gained insights into the services provided.
- Familiarized with various sustainable development strategies implemented by the bank.
- Reviewed mechanisms for providing energy credits and analyzed existing case studies.

Royal Danish Academy July 2023
Copenhagen, Denmark
Student
- Participated in the Royal Danish Academy's Student Academy, focusing on universal design and inclusion for people with diverse physical and cognitive abilities.
- Collaborated with a team of international architecture students and mentors to create interactive installations for the UIA World Congress, showcasing design solutions that raise awareness about body differences.
- Engaged in workshops, lectures, and hands-on project work, gaining valuable insights into universal design principles and contributing to the development of inclusive and accessible environments.

IFU - The Investment Fund for Developing Countries May-June 2023
Kyiv, Ukraine
Office Assistant Student Intern
- Engaged in sustainability and technology due diligence of multiple IFU portfolio companies.
- Developed visualizations of value chains and populated slides on E&S and technology matters for investment committee presentations.
- Reviewed ESG self-assessment questionnaires and conducted and coded interviews with company executives (under supervision).

Activities

The public initiative "Flowers of Ukraine" June 2023
Kyiv, Ukraine
Volunteer
- Washed and renovated the facade (removed graffiti paint, changed the tiles)
- Cleaned the area around the building (mowed the grass, planted flowers, recycled the garbage).

UIA World Congress of Architects July 2023
Copenhagen, Denmark
Participant
- Awarded one of a limited number of student fellowships providing complimentary conference attendance.

Architectural Photography Exhibition January 2022
Kharkiv, Ukraine
Participant

Skills & Interests

Technical Skills: Proficient in Microsoft Office Suite, AutoCAD, Revit, and Twinmotion.
Familiar with Rhino, ArcGIS, Adobe Photoshop, Illustrator, Figma, 3DEC, Dymola, LBNL THERM, LBNL WINDOW, WUFI, DesignBuilder, and COMFEN.
Personal Qualities: Fast learner, responsible, adaptable, detail-oriented, and able to work effectively both independently and as part of a team. Strong time management skills, committed to producing high-quality work, and eager to learn and take on new responsibilities.
Languages: English (fluent), Ukrainian (fluent), Russian (fluent), Polish (intermediate)
Interests: Circular construction, sustainable building materials, timber structures, universal design, reconstruction practices, heritage conservation, collage-making, photography, yoga, badminton.

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