Robert Ferguson, BEnDs, MARCLA III

Robert Ferguson is a dual-degree architecture and landscape architecture masters student, computational designer, researcher, and teaching assistant.

Skills & Software

ArcGIS, Grasshopper, Climate Studio, Ladybug/Honeybee, Python, Design Explorer, ShapeDiver, Revit, Rhino3D, AutoCAD, Adobe Illustrator, Photoshop, InDesign, AfterEffects, Premiere Pro, 3D printing, laser cutting, basic wood framing.

Education

2022-2025 – MARCLA (Master of Architecture and Landscape Architecture) at the University of British Columbia.

2016-2020 – BEnDs (Bachelor of Environmental Design) at the University of British Columbia. At McGill University from 2016-2018 (Mechanical Engineering).

Awards

2023 – SSHRC Canada Graduate Scholarship for research in landscape architecture (UBC)

2022 – MARCLA Major Entrance Award (UBC)

2021 – Design Excellence Award for Bedrock 15-Minute Neighbourhood Development (IBI)

2020 – BEnDs Graduation Award for Academic Excellence (UBC)

2019 – BEnDs TREK Excellence Scholarship for Continuing Students (UBC)

2017 – Tomlinson Engagement Award for mentoring physics (McGill)

2016 – Rossy Leader Major Entrance Scholarship (McGill)

Academic

2024-2025 – ARCHUS President, elected April 2024. Coordinating student initiatives, events, and services. Acting as student representative to faculty on issues of academics, student services, professional opportunities, and more.

2023-2024 – cube.ai with Professor Daniel Roehr. Developed pedagogical framework for teaching AI and site analysis to design students. Published online and presented live at UBC, and at Université de Montréal's AI conference series (03/2024).

2022-2024 – Right to Land (SSHRC Quality of the Built Environment) with Professors Lokman, Byrne, Jacobs. Investigating processes of park creation, design, operation, and their implications for spatial justice. Responsibilities include research, mapping, illustration, interviews, workshops, presentations.

2022-2024 – Teaching Assistant for BDES 402/403 Core Studio with Bill Pechet, and BDES 430 Environment, Urban Form and Infrastructure with Professor Daniel Roehr.

Practice

2024 (ongoing) – Researcher for a Perkins&Will applied research project innovating urban resource circularity and building-integrated agriculture.

2020-2024 – Computational Designer for IBI/Arcadis. Advanced parametric and geospatial design and analysis for regional, urban, architectural projects.

2018-2019 – Construction Management Co-op for Parks Canada (Banff, Jasper, Yoho, Kootenay National Parks).