



Raban Ohlhoff

Master Architect

Berlin, Germany

October 1997

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LinkedIn

Github

ACHIEVEMENTS

Master Degree (September 2023)
Université libre de Bruxelles
Magna Cum Laude

Bachelor Degree (July 2020)
Université libre de Bruxelles
With Distinction

Exposition / Presentation (March 2021)
Faculté d'architecture ULB
[ArchiExpo](#)

Project Exposition (April 2022)
Faculté d'architecture ULB
[ArchiExpo](#)

LANGUAGES

German Native
French Very Fluent

English Very Fluent

TECHNICAL SKILLS

Photoshop **Illustrator**

Office Suite **ArchiCAD**

AutoCAD **Vectorworks**

Inkscape **SketchUP**

Python **Blender**

Sverchok **Qcad**

PUBLICATIONS

Topological Graphs in Architecture (September 2023)
ULB

This thesis explores the application of graph theoretical and topological concepts in architecture and investigates the use of graph machine learning methods in the context of architectural analysis, with a particular focus on energy efficiency as a key performance metric.

[dx.doi.org/10.13140/RG.2.2.22008.42242](https://doi.org/10.13140/RG.2.2.22008.42242)

REFERENCES

Gian Marco Paldino
Thesis Supervisor
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Philippe Meyer
Founder of Cabanes des Fumades
 cabanesfumades@orange.fr

Iris Oelschläger
Internship Supervisor
 info@deimeloelschlaeger.de

As a highly motivated and creative master's graduate in architecture, I am eager to bring my passion for design and innovative problem-solving skills to a professional setting. With a strong background in both theoretical and practical aspects of architecture, I am confident in my ability to contribute to and learn from a dynamic team. My ultimate goal is to work on challenging and impactful projects that push the boundaries of the field while making a positive difference in people's lives.

I am deeply interested in the intersection of architecture and informatics. To inform and enhance my design processes, I have explored the use of **machine learning**, **data science**, **parametric design**, and **automation** on multiple occasions. I believe that the integration of these technologies has the potential to revolutionize the way we approach architecture, and I am eager to continue exploring this exciting field.

EDUCATION

Beethoven-Gymnasium, Berlin, DE (July 2009 - July 2015)
Abitur, General 2.1 German GPA

Université libre de Bruxelles, Bruxelles, BE (September 2017 - September 2020)
Bachelor, Architecture ECTS Grade A

Université libre de Bruxelles, Bruxelles, BE (September 2020 - September 2023)
Master, Architecture ECTS Grade A

EXPERIENCE

TDB Landschaftsarchitektur, DE (October 2023 - Present)
Design Architect

- Concept development for project calls
- Design, layout and rendering of landscape architectural projects

tdb-berlin.de

Deimel Oelschläger Architekten GmbH, DE (June 2023 - July 2023)
Intern

- Insights into the constructive reality of the architectural profession
- Exploration of topics such as timber construction, energy efficiency, energy balancing and social housing

Achievement: Design of an energy-efficient building and development of service phases I - III

deimeloelschlaeger.de

Foyer de Vie, Ruzière, FR (March 2016 - September 2016)
Intern, Educator

- Worked passionately with people with mental and physical disabilities
- Gardening and organizational work done as a team

Achievement: Learned to work with different people and to coordinate small groups

Les Fumades, Carcassonne, FR (March 2017 - June 2017)
Intern, Construction supervisor

- Worked as planner and woodworker in a carpentry.
- Explored the process from the living tree to the finished wooden cabin
- Experienced the physical and mental work in timber constructions

Achievement: Designed and built an elevated wooden cottage

FabLab, Brussels, BE (January 2020 - June 2022)
Student

- Worked as a team member of a multidisciplinary workshop
- Learned to work with 3d printers, lasercut and cnc milling machines
- Extended my knowledge of various open-source software through several training courses
- Developed independent multi-phase working and communication skills.

Achievement: Designed prototypes of an automatic shading system.

PROJECTS

Topological Graphs in Architecture (February 2022 - August 2023)
Thesis

The research for this thesis delves into the field of architectural design and energy efficiency, with a specific focus on the use of graph representation in architectural design and the application of machine learning techniques to classify buildings based on their energy performance.

raban-ohlhoff.com/thesis

Space Between (September 2022 - Present)
Student Project

A design concept that sought to re-evaluate the role and power of blank spaces in urban environments was developed through intense research and analysis. Additionally new ways to use and interact with these areas, with the aim of creating more diverse and inclusive public spaces that could serve the needs of different communities are proposed.

raban-ohlhoff.com/act

Cohabitat Renovation (October 2019 - February 2020)
Student Project

Renovation project as part of my architecture studies. The focus of this work is on a non-invasive renovation to transform a classical apartment block into a cohabitation thus enabling a communal life.

raban-ohlhoff.com/cohabitat_renovation