

EDUCATION

MSc Architecture, TU Delft

Focusing on the topic of AI in architecture and computation in architecture

Delft, NL
Aug. 2020 - Present
(*Fin. June 2023)**MSc Architecture, ETH Zürich**Exchange during MSc at the faculty of Architecture
Participating in research projects and courses in Computation and RoboticsZürich, CH
Sep. 2021 - Jan. 2022**BSc with Honors in Architecture and Structural Design, TU Eindhoven**

Completing Honors with a project presented at a symposium in Spain

Eindhoven, NL
Sep. 2017 - Jun. 2020**BSc Civil Engineering, CVUT**Completing **49 ECTS** towards the BScPrague, CZ
Oct. 2016 - Jun. 2017**English Bilingual Gymnasium, CS Lewis Bilingual High School**

Secondary education

Batislava, SK
Sep. 2011 - Jun. 2016**PROFESSIONAL EXPERIENCE**

Participant in a two-week summer school by Bartlett B-Pro and Nagami

- Designing a 1:1 prototype of a robotically printable object in a team of three
- Generating robotic arm tool paths for 3d printing with recycled plastics

Madrid, SP
Jul. 2022**Project manager, student team Hypar**

- Managing finance, procurement & management of relations with companies
- Organizing transport of the structure from NL to Spain and back

Eindhoven, NL
Sep. 2018 - Aug. 2020**Designer, student team Hypar**

- Designing and building a light-weight pavilion from start to finish
- Contributing author on a research paper that resulted from the project
- Drawing technical drawings and testing prototypes for a large format CNC

Eindhoven, NL / Barcelona, ES
Sep. 2018 - Jan. 2020**Participant in INDESEM.21 International Design Seminar**

- Developing a design reflecting the topic of "Datascape" in a 24h competition

Delft, NL
Jun. 2021**WORK EXPERIENCE**

Designer & handworker at Terrestrial

- Designing a house with respect to the robotic approach to earthen construction
- Testing the techniques that could be applied to robotic earthen construction

Eindhoven, NL
Full time, Jul. 2022 - Aug. 2022
Part time, Sep. 2022 - Now**On-hand Research assistant** at the Gramazio Kohler Research group, ETH

- Documenting and assisting during experiments and testing of new 3d printing method

Zürich, CH
Dec. 2021 - Jan. 2022**On-hand Research assistant** at the Gramazio Kohler Research group, ETH

- Documenting and assisting during experiments and testing of new 3d printing method

Zürich, CH
Dec. 2021 - Jan. 2022**Architecture consultant** at a project of the Digital Building Technologies, ETH

- Consulting architectural design of a robot 3d printed two-colour concrete façade element

Zürich, CH
Dec. 2021 - Jan. 2022**Front-end web development at Education and Student Affairs**, Student job

- Editing HTML to create an interface for university courses
- Meeting with professors and designing courses for their needs

Eindhoven, NL
Aug. 2019 - May 2020

Intern at Compass architects (2-week internship)

- Working in Revit and AutoCAD and preparing presentation materials

Bratislava, SK
Jul. 2018

EXHIBITIONS AND PRESENTATIONS

Dutch Design Week 2019, Exhibiting Hypar Pavilion at "Drivers of change."

- Organizing the attendance for Team Hypar and its pavilion at this event. Over 15 000 people visited it over one week

Eindhoven, NL
Oct. 2019

IASS 2019: Form and Force, International Conference

- Attending the conference and contributing author of the presented research paper
- Participating in a competition for lightweight and easily deployable pavilions

Barcelona, ES
Oct. 2019

SOFTWARE AND CERTIFICATES

Harvard CS50 Certificate — Covering the programming languages C, Python and Java

Rhinoceros 3D — Using actively for the past three years
Grasshopper — Using actively for the past year

Adobe CC – Photoshop, Illustrator, InDesign, After Effects, Lightroom using actively for 5 years

Software I have experience with: **Autodesk Revit, AutoCAD, SketchUp, ArchiCAD, Blender , Maya**

Programming Languages:

Intermediate: Python
Novice: C, Java

LANGUAGES

Slovak – Native language

English – Advanced, TOEFL 7.5 (C1)

German – Intermediate (B1), actively learning

Dutch – Beginner

SKILLS AND FREE TIME ACTIVITIES

Applicable skills: Photography, efficient with UR robot arm, efficient with CNC-laser cutting, model making, capable of performing manual labour, drivers license B and actively driving for the past 9 years

Free time activities:

Analog Photography – Started doing analogue photography two years ago. In the darkroom, I've learnt to develop 35mm and medium format film as well as wet print. Printing photographs and repairing analogue cameras taught me patience and attention to detail.

Freediving – I started when I was seventeen. The sport taught me a lot about pushing my limits and setting personal goals.

Cooking – I enjoy cooking because I like to eat good food. I find that cooking is also a great socializing opportunity for getting to know people or spending time with friends while doing something meaningful.

Computers – My fascination led me to build multiple computers on my own. Right now, I have been getting more into software and educating myself by attending online courses. I am fascinated by the field of artificial intelligence.

REFERENCES

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