



# Elif Akbas

DIGITALIZATION EXPERT

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📍 Essen, Germany

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## Profile

Driven and versatile graduate student specializing in Construction Digitalization. With a strong passion for leveraging technology to drive efficiency and innovation, I have honed my skills in digitalization, project management, and interdisciplinary problem-solving. My experiences have equipped me with a valuable skill set that I'm eager to apply to new challenges across diverse industries.

## Employment History

Working Student | BIM Data Integration and R&D, Schüssler-Plan Digital, Düsseldorf

September 2023 — Present

- Development of a data integration platform & plug-in using API & Javascript
- Support of the BIM management automation process
- Task management with JIRA

Working Student | BIM Operations & Applications, HOCTIEF Vicon, Essen

March 2023 — August 2023

- Integration of Quality Check and PowerBI
- Quality Check analysis with PowerBI
- Coordination Support
- Providing Guidance to New Team Members
- Documentation of the Process & Creating Guidelines
- Creation of seamless pipeline in Quality Check of Digital Twin

Intern | BIM Operations & Applications, HOCHTIEF Vicon, Essen

August 2022 — February 2023

- Analysis of the quality checking process
- Automation of quality check, Javascript
- Quality and alphanumeric checking of 3D models

Architectural Designer, Basaran Demircan Architecture, Bodrum

February 2021 — September 2021

- Creation of drawings (design, approval, execution plans) in 2D/3D
- Cooperation in cost and schedule planning
- Project development concept
- Interior Design
- Support for Building Permission

## Education

Master of Science Construction and Robotics, RWTH Aachen Universität

October 2021 — 2024

Erasmus Exchange, Università Degli Studi di Ferrara

## Links

[Portfolio](#)

[Website](#)

## Skills

Machine Learning

Revit, Desite MD, Navisworks, Autocad

Python, Javascript, HTML, CSS, XML, Jira

Power BI

Power Automate

## Languages

German

English

Turkish

February 2018 — August 2018

## Bachelor Degree in Architecture, Istanbul Technical University

September 2014 — March 2020

### Competition Projects

#### BIM - ROS Integration

2024

- Finalist | In Progress | Nominated as the “**2024 BIM Champion of Germany**” in a highly regarded ongoing competition by buildingSmart Deutschland

#### Design Sustainable Future

2021

- 3rd Place | Organized by Rönesans, one of the leading construction company in Turkey

#### Istanbul Urban Design Profesisonal Competition

2020

- Honorable Mention | Organized by Istanbul Metropolitan Municipality

#### Concrete Research Competition

2019

- First place | Organized by AkçanSA, one of the leading concrete factory in Turkey

### Certificates

#### Agile Project Management, Google Project Management

2023

#### BIM Operations, Bogazici University

2022

#### Biobased 3D Print, ITECH University of Stuttgart

2020

#### Big-Data urbanisation and Robotic - QGIS , Institute for Advanced Architecture of Catalonia

2020

### Research Project

#### BIM Sensor Viewer Project with EMPA, Dübendorf

February 2022 — August 2022

I have contributed EMPA Research for my master term project by my supervisor -Univ. Prof. Dr. Jakob Beetz advice for data integration between 3D model and sensor meta data

#### CEN European Committee for Standardization

June 2023

As a part of my master thesis research which is supervised by Jakob Beetz, I actively contribute to a research team focused on advancing BIM project standards, specifically exploring Level of Information Need (LOIN).