



Elif Akbas

DIGITALIZATION SPECIALIST

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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

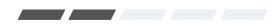
Python, Javascript, HTML, CSS, XML, Jira

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).