

Programmer
Engineer
Designer

Baiyi
GUO



| CONTACT

Email-Adress:

baiyi.guo@rwth-aachen.de

telephone number

+4917685976193

Address:

Brüggemannstr. 4, Aachen

| SKILLS

Programming:

Python, HTML/CSS, PyTorch

Adobe Creative Cloud:

PS, ID, PR, AI

Modeling:

Fusion360

AutoCAD

Revit

Rhino

Grasshopper

Microsoft Office

Soft Skills:

Time Management,

Teamwork, Problem-solving,

Documentation, Presentation.

| LANGUAGE

English: Level C1 (IELTS 7.0)

German: Level B2 (TestDaf13)

Chinese: Native speaker

www.linkedin.com/in/baiyi-guo-178419275/

| EDUCATION

Sept 2022 to present **Master of Science**

RWTH Aachen University

Subject: Construction and robotics

Sept 2016 - Juli 2021 **Bachelor of Architecture**

Taiyuan University of Technology

Subject: Architecture

| UNIVERSITY PROJECTS

Oct 2022 - Jan 2023

RWTH Aachen

On-site Rectification Manage Digital Solutions(app)

Users (workers and supervisors) can intelligently manage and provide feedback on the progress of the construction site and can store the information in a cloud database.

Technical Skills: Android-based app, Figma, SQLite.

Apr 2023 - Jul 2023

RWTH Aachen

Affordable and Customizable 3Dprinted-exoskeleton Platform for Construction Industry (web)

The exoskeleton 3D model is customized and generated using Grasshopper based on collected user stature data (scanned point cloud model) and usage preferences.

Technical Skills: Rhino+Grasshopper, Python, SQLite.

Oct 2023 - Jan 2024

RWTH Aachen

Automated Transportation Vehicle Based on ROS2

Automated control of curvilinear movement and extraction of objects from a transporter using ROS2(Robot Operating System), with links to the visualization platform Rviz2 and to the real world.

Technical Skills: Python, ROS2, urdf, Git.

| INTERNSHIP & WORK EXPERIENCE

Oct 2024 to present

Product Pre-sale Engineer

Hikvision Europe

-Customer requirement analysis and solution design

Juni 2020 - Dez 2020

Assistant Architect

JUCHUAN Taiyuan Architects

Responsible for project site coordination.

- Qinyuan Nature Museum

- Qinyuan County Bookstore

Sept 2021- Nov 2021

Architectural Designer

Shanghai TIANHUA-Architectural Division 4

-www.thape.com/works/1?locale=en