

# Zacharias Aram

Zacharias.Aram@ruhr-uni-bochum.de • +49 176 55780914 • LinkedIn • Webside

## EDUCATION

### Ruhr-Universität Bochum

*Master of Science*

Bochum, Germany  
April 2022 – est. April 2024

- **Major, current GPA:** Mechanical Engineering, 3.8
- **Master's Thesis:** Artificial Intelligence and Computer Vision for Automated Recognition of Assembly Steps in the Context of Assistance Systems

### Universiti Putra Malaysia

*Semester Abroad*

Selangor, Malaysia  
March 2023 – July 2023

### Ruhr-Universität Bochum

*Bachelor of Science*

Bochum, Germany  
September 2017 – March 2022

- **Major, GPA:** Mechanical Engineering, 2.2
- **Bachelor's Thesis:** Development of a Mobile Collaborative Robot System for Foaming Processes in the Automotive Industry

### Istanbul Teknik Üniversitesi

*Semester Abroad*

Istanbul, Turkey  
October 2020 – March 2021

### Städtisches Gymnasium Ahlen

*A-level*

Ahlen, Germany  
August 2011 – July 2017

## PROFESSIONAL EXPERIENCE

### Ruhr-Universität Bochum | Lehrstuhl für Produktionssysteme

*Student Assistant*

Bochum, Germany  
July 2022 – April 2023

- Supported and advised on the digital transformation of international companies
- Created self-learning modules on Industry 4.0, maturity models, value creation processes, and digital business models
- Presented the self-learning modules in an international project consortium
- Conducted workshops

### Cademy GmbH

*Bachelor's Internship: Project Management*

Ennepetal, Germany  
August 2021 – March 2022

- Independently developed a mobile collaborative robot system for the automotive industry

### Cademy GmbH

*Technical Intern*

Ennepetal, Germany  
March 2021 – July 2021

- Trained in the following areas: Controllino PLC (industrialized Arduino), AGVs, collaborative robots, design, and additive manufacturing
- Assisted in research for agent-free manufacturing for the Fraunhofer Institute
- Assisted in quality control preparations and procedures
- Programmed Siemens LOGO control units

### VEKA AG

*Student Assistant*

Sendenhorst, Germany  
September 2019 – October 2020

- Assisted in commissioning and packaging

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## VOLUNTEERING

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### **Volkshochschule Ahlen**

*Volunteer*

- Trainer for students

Ahlen, Germany

October 2022 – March 2023

### **Ingenieure ohne Grenzen e.V.**

*Candidate*

- Developed a brick press for disadvantaged groups in Africa

Bochum, Germany

November 2019 – February 2020

## SKILLS AND INTERESTS

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**Programming:** Python, C/C++, Html, SPS, Robot Programming (Universal Robots)

**Software:** Jupyter Notebook, PyCharm, Inventor, SolidWorks, Plant Simulation, Matlab, Word, PowerPoint

**Languages:** Fluent in German, Aramaic, and English

**Personal Interests:** Weightlifting, Traveling, and Board Games

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