

Zacharias Aram

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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

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

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
