# Zacharias Aram

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## EDUCATION

**Ruhr-Universität Bochum**  
Bochum, Germany  
*Master of Science*  
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**  
Selangor, Malaysia  
*Semester Abroad*  
March 2023 – July 2023

**Ruhr-Universität Bochum**  
Bochum, Germany  
*Bachelor of Science*  
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**  
Istanbul, Turkey  
*Semester Abroad*  
October 2020 – March 2021

**Städtisches Gymnasium Ahlen**  
Ahlen, Germany  
*A-level*  
August 2011 – July 2017

## PROFESSIONAL EXPERIENCE

**Ruhr-Universität Bochum | Lehrstuhl für Produktionssysteme**  
Bochum, Germany  
*Student Assistant*  
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**  
Ennepetal, Germany  
*Bachelor's Internship: Project Management*  
August 2021 – March 2022
- Independently developed a mobile collaborative robot system for the automotive industry

**Cademy GmbH**  
Ennepetal, Germany  
*Technical Intern*  
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**  
Sendenhorst, Germany  
*Student Assistant*  
September 2019 – October 2020
- Assisted in commissioning and packaging

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## VOLUNTEERING

**Volkshochschule Ahlen**                                                    Ahlen, Germany
*Volunteer*                                                       October 2022 – March 2023
- Trainer for students

**Ingenieure ohne Grenzen e.V.**                                            Bochum, Germany
*Candidate*                                                  November 2019 – February 2020
- Developed a brick press for disadvantaged groups in Africa

## 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