Zacharias Aram

zacha.aram@gmail.com • +49 176 55780914 • [Linkedin](#) • [Website](#)

SKILLS AND INTERESTS

Programming: Python, SQL, PowerShell, C/C++, Html, SPS, Robot Programming (Universal Robots)
Software: Jupyter Notebook, PyCharm, Microsoft 365, SSMS, Inventor, SolidWorks, Plant Simulation, Matlab
Languages: Fluent in German, Aramaic, and English
Personal Interests: Weightlifting, Traveling, and spending Time with Family and Friends

PROFESSIONAL EXPERIENCE

LIS - Logistische Informationssysteme   Greven, Germany
IT – Project Consultant   September 2024 – Present
- Utilizing Python, SQL, and Microsoft Office to optimize workflows and resolve technical challenges
- Serve as a liaison between IT development and clients to successfully implement IT solutions and manage projects efficiently
- Advise on the implementation and use of IT systems with a focus on process improvement, automation, and technological efficiency
- Conduct requirements analyses and implement customized IT solutions to optimize logistical processes and introduce Warehouse Management Systems

Comma Soft AG   Bonn, Germany
Working Student: IT Consultant   February 2024 – August 2024
- Programming and fine-tuning of Microsoft DSC to provide customized configuration management solutions and optimize IT infrastructure
- Utilizing Microsoft 365 and Azure for the development and implementation of Digital Workplace solutions
- Contributing to the conception and realization of innovative cloud solutions
- Applying a wide range of tools and technologies in the area of cloud infrastructure and IT security to deliver comprehensive customer solutions

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

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EDUCATION

Ruhr-Universität Bochum — Bochum, Germany
Master of Science — April 2022 – August 2024
- **Major, GPA:** Mechanical Engineering, 3.7
- **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

PROJECTS

Ruhr-Universität Bochum | Lehrstuhl für Produktionssysteme — Bochum, Germany
Master's Thesis — October 2022 – August 2024
- Development and implementation of an innovative AI-based system for detecting assembly steps in manual assembly using advanced computer vision techniques
- Analysis and modeling of human movements and activities using AI algorithms to improve human-machine interaction
- Contribution to the optimization and efficiency enhancement of worker assistance systems through the use of artificial intelligence and machine learning

Cademy GmbH — Ennepetal, Germany
Bachelor's Thesis — August 2021 – March 2022
- Independent development and conception of a mobile, collaborative robot system to increase efficiency in the foaming process of the automotive industry
- Development of an autonomous system for precise detection of tool positions and their openings to increase production flexibility and reduce manual interventions
- Successful construction and testing of a functional prototype that can be used in real industrial environments

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