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📍 FAU, Erlangen

Education

Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)

Erlangen, Germany

Specialization: Human-System Interfaces, Sensor and Perception

M.Sc. in Autonomy Technology

Expected 2027

Technical University of Applied Sciences Würzburg-Schweinfurt (THWS)

Schweinfurt, Germany

Major: Automated Systems, Human-Machine Interaction, Automation, and Robotics

B.Eng. in Mechatronics

2023

Experience

Product Manager

Frankfurt am Main, Germany

Talents2Germany GmbH

Dec 2023 – Apr 2024

- Developed chatbot and web scraping software solutions.
- Managed and designed RPA processes for web scraping and database management.
- Improved website functionalities and documentation for automation processes.

Software Developer Intern

Frankfurt am Main, Germany

biz4d - Mentoring Club

Apr 2022 – Sept 2022

- Led a team of five interns to develop a matching algorithm and deploy software applications.
- Implemented GitHub version control, improving collaboration efficiency.
- Dockerized SuiteCRM and Laravel applications and configured cloud servers.

Programming Tutor (C++)

Schweinfurt, Germany

THWS

Apr 2023 – Jul 2023

- Helped students grasp C++ programming and operating systems concepts.
- Designed lesson plans that led to a 50% improvement in student test scores.

Projects

Infant Vision Simulation

Erlangen, Germany

FAU Erlangen

2024

- Implemented infant vision simulation and trained deep learning models (VGG, ResNet18).
- Used curriculum learning on TinyImageNet and egocentric datasets.
- Conducted extensive analysis of visual perception and training methodologies.

Mechatronic System for Part Classification

Würzburg, Germany

Kindermann GmbH

Apr 2021 – Aug 2021

- Developed a CNN-based part classification system with Node-RED integration.
- Designed a mechatronic actuator for mechanical part separation.
- Achieved 95% accuracy in part classification and system efficiency.

Skills

Programming: C, C++, Python, JavaScript, SQL, Web Scraping, API Development, Networking

Tools & Technologies: Git, Docker, Scikit-Learn, TensorFlow, Pytorch, ROS, Embedded Systems, MATLAB, Simulink, Linux

Interpersonal: Leadership, Teamwork, Problem-Solving, Project Management, Research

Languages

English: Fluent **German:** Basic