Mazen Ben Moussa
Research Assistant / Working student

Date of birth: October 12, 1998

Contact

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44139 Dortmund, Germany

Skills

- Aspen Plus
- MATLAB
- Python

Languages

Arabic - Native

German - Advanced

English - Advanced

French - Advanced

Japanese - Beginner

Work experience

RESEARCH AND DEVELOPMENT (R&D) WORKING STUDENT
January 2023 - present

Voith Paper Krieger GmbH - Mönchengladbach

Development of research-related numerical simulation software for contactless drying processes.
Development of graphical user interfaces for the simulation software.

RESEARCH ASSISTENT
March 2022 - present

Chair of "Process Automation Systems", BCI faculty

Simulation of a batch distillation column using do-mpc.
Distillation process optimization using reinforcement learning.

RESEARCH ASSISTANT
March 2022 - August 2023

Chair of "Process Automation Systems", BCI faculty

Assistance in research in the field of Model Predictive Control (MPC), mainly concerning the open-source software do-mpc.

INTERN IN THE R&D DEPARTMENT
August 2022 - January 2023

Voith Paper Krieger GmbH - Mönchengladbach

Expansion of research-related simulation software for contactless drying processes.
Conducting security tests on contactless drying devices.

RESEARCH ASSISTANT
September 2021 - February 2022

Chair of "Process Dynamics and Operations", BCI faculty

Support for automation software projects.
IT equipment management.

Education

MASTER
2024

TU Dortmund, Chemical Engineering

BACHELOR
2022

TU Dortmund, Chemical Engineering
GPA: 2.0