

Christopher Küster



LANGUAGES

english confident german mother tongue

NORMEN

DIN/EN/ISO 9001

DIN EN 61082-1 & IEC 60617

21 CFR Part 809, 820, 862-892

ISO 13485

HOBBIES



PROFESSIONAL EXPERIENCE

PRODUCTION ENGINEER (DAIKIN GERMANY MANUFACTURING)

Technical responsibility for final qualitycheck of heat pumps and digital interfaces of the production

01/2025 – 09/2025

- Design of production equipment in SolidEdge & Onshape
- Interface development between ERP and production systems in Python
- Design of IoT node or edge devices C++
- electrical design for machines (230V & 400V)
- Circuit board design for measurement tasks for the shopfloor
- Shopfloor management, 5S Audits, Kaizen, KVP, OEE
- Collaborated with R&D on value engineering & cost optimization initiatives
- Coordination in an international team. Belgium, Czech Republic, Poland, Japan

INDUSTRIAL ENGINEER (DIALUNOX GMBH)

Lead industrial engineer in medical device manufacturing for in-vitro diagnostics in the areas of validation, interfaces, production facilities, measuring devices and material flow

03/2020 – 12/2024

- Electronics design Circuit board design for measurement tasks
- Programming of embedded software C++
- Design and production validation
- Projectmanagement, schedule and resource planning
- BOM release and material stock check in SAP
- Projectengineer for transfer of products from prototype to series production
- Process optimisation (1 unit/day to 25 units/day)
- Qualitymanagement, Moderation of FMEAs and Ishikawa meetings
- Processdesign for efficient production control → 5 pice flow
- Leanmanagement for Workplaces → 5S, Shadowboards, Kanbancards

BACHELOR THESIS (JENOPTIK INDUSTRIAL METROLOGY GMBH)

Monitoring of metrologically relevant influencing variables as described in VDI2627 and VDI2038

08/2019 -03/2020

- Hardware selection and design of the measurement system in Pro/ENGINEER
- Electrical planning and implementation with Beckhoff Automation
- PLC programming and GUI design with TwinCAT

INTERNSHIP (IMS GEAR SE & CO. KGAA TA IN SHANGHAI)

Internship in Taicang/Shanghai as a process and quality engineer in the automotive industry

09/2018 – 02/2019

- Mechanical design of a conveyor belt in Pro/ENGINEER and its installation in several CNC lathes
- Integration of attachments in machine tools
- Design of sheet metal constructions in Pro/ENGINEER
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MECHATRONICIAN (JENOPTIK INDUSTRIAL METROLOGY GMBH)

Assembly in special machine construction for 3-axis and multi-axis tactile roughness measuring devices, primarily for the automotive industry.

07/2016 – 10/2016

- Control cabinet wiring
- Pneumatic wiring
- Sheet metal and milling work
- Electrical testing in accordance with DIN/VDE0100 – 600
- Assembly and commissioning of internal and external roughness and form measuring devices

EDUCATIONAL PATH

AVAILABLE
IMMEDIATELY

PROGRAMMIER LANGUAGES

C++, Python, Java,
Node-RED
PowerShell, CMD,
TIA Portal, SIMATIC,
Excel VBA

PROTOCOLS

MQTT, JSON, RESTful, UDP,
OPC UA,
Profi..., Modbus

CONTACT



+49 151 5580 7802



christopher.kuester@t-online.de



Schoettlestraße 19
74074 Heilbronn
Germany

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING AND MECHATRONICS

University of Applied Sciences Schweningen

10/2016 – 03/2020

TRAINING AS A MECHATRONICS TECHNICIAN

Jenoptik Industrial Metrology GmbH

07/2013 – 07/2016

TECHNICAL UNIVERSITY ENTRANCE QUALIFICATION

Spaichingen Technical College

2011 – 2013

TECHNICAL SECONDARY SCHOOL LEAVING CERTIFICATE

Ferdinand-von-Steinbeis-Schule Tuttlingen

2009 – 2011

CERTIFICATES

Battery essentials – myablefy

- Fundamentals of battery technology

MedicalMountains GmbH

- Design verification and validation of medical device
- Statistical methods in the validation of processes
- Sample sizes in medical technology
- Validation of processes in the medical device industry
- Production Process Control
- Verification of medical devices The suitability of test equipment, test processes and test methods
- Validation of computerised systems in the medical device industry

Johner Institut

- Validation of computerised systems

FlowFuse

- Node-Red Fundamentals
- Node-Red Advanced

ELEKTROFACHKRAFT

IHK Schwarzwald-Baar-Heuberg

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