

Working Certificate

Working as a student assistant

This is to certify that Mr.

Chongyu Zhang, born on 12.04.1997,

works as a student assistant in the field of system software development in our chair. The Chair of Automation and Information Systems (AIS) is assigned to the TUM School of Engineering and Design, Department of Mechanical Engineering at the Technical University of Munich. The research focuses of the chair are model-based research on interdisciplinary manufacturing systems and the development of cyber-physical production systems.

Mr. Chongyu Zhang was engaged in the practical course "Development of Intelligent Distributed Embedded Systems in Mechatronics (EiveSiM)." The content of the internship is the holistic development of the intelligent control software of the modular process units. Master students model the overall plant's system and the knowledge base and work on the code generation.

The task of Mr. Chongyu Zhang consists of the following activities:

- Systems Modelling and Meta-Modelling in SysML, MATLAB/ Simulink, Obeo Design
- Developing system software for demonstrator plant in IEC 61131-3 in CODESYS IDE
- OCL and M2T Model Transformation

Mr. Chongyu Zhang has been employed at the following times:

- | | |
|---------------------------|--------------|
| - 01.04.2022 – 10.05.2022 | 5 hours/week |
| - 01.09.2022 – 31.10.2022 | 5 hours/week |

Mr. Chongyu Zhang is always well-motivated and reliable. As a research assistant, he has good knowledge in the field of software modeling and development. During the practical course, Mr. Zhang interacted in German, English, and Chinese with the students and received great compliments from the participants. He works independently and always delivers the results in excellent quality at the proper timing.

We thank Mr. Chongyu Zhang for his successful and productive cooperation and would employ him at any time again.

01.11.2022, Garching bei München

Univ.-Prof. Dr.-Ing. Birgit Vogel-Heuser



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