Michelle

COMPUTATIONAL ENGINEERING STUDENT

CONTACT

📞 +49 17673965548

✉ chelle.michelle@fau.de

📍 90478 Nürnberg, Deutschland

DATE OF BIRTH

28.01.1998

NATIONALITY

Indonesian

LINKS

in Michelle M

🐙 GitHub

TECHNICAL SKILLS

C/C++

Python

Java

Altium Designer

Linux OS

Microsoft Office

LANGUAGES

Bahasa Indonesia

Deutsch

Englisch

HOBBYS

Cooking, weight training, travelling

PROFILE

enthusiastic and dedicated master student with excellent analytical skills and proficient in various platforms, programming languages, and embedded systems. Strong organizational abilities with proven success managing multiple academic projects and volunteering events. Adaptable and professional team player dedicated to continuing academic pursuits at a professional level.

INTERNSHIP

Hardware Developer, IBA Dosimetry GmbH, Schwarzenbruck
March 2021 - July 2021

- Control several microcontrollers (Arduino Uno, ESP32, ESP8266) and Raspberry Pi using C and Python
- Advanced knowledge of Altium Designer for designing PCB layout and schematic

Information Technology Service, Roland Berger GmbH, Munich
April 2023 - August 2023

- Evaluation and creation of business cases of innovative technology solution
- Independent contacting and management of external partners
- Developing smart mirror prototypes using Raspberry Pi
- Support integration of new system into the existing IT Infrastructure

WORK EXPERIENCE

Working Student as Firmware Engineer, IBA Dosimetry GmbH, Schwarzenbruck
October 2021 - September 2022

- Optimization of medical equipment software using C++
- Further expansion of knowledge of GitHub and GitLab
- Participation of support and optimization of different departments

Working Student as Software Developer, Eissmann Automotive Ingeneers GmbH, Nürnberg
October 2022 - March 2023

- Optimization of a Python-based software tool for checking C codes according to HIS metrics.
- Implementing Python library pycparser to parse the C language

Working Student as Software Developer, AVL DiTEST GmbH, Cadolzburg
March 2024 - Present

- Manage and process vehicle diagnostic data for accurate analysis and support.
- Handle stable migration of diagnostic data, ensuring integrity and system compatibility.

EDUCATION

Studienkolleg, Leibniz Universität Hannover, Tangerang
September 2017 - June 2018

Technics course

Bachelor, Technische Hoschule Georg Simon Ohm, Nuremberg
October 2018 - September 2022

B. Eng. Mechatranics/Precision Engineering
Bachelor thesis score of 1.3

Master, Friedrich-Alexander University, Erlangen
October 2023- present

M. Sc, Computational Engineering

VOLUNTEER EXPERIENCE

Electrical Engineering Tutor, Technische Hochschule Georg Simon Ohm, Nuremberg
October 2019 - January 2020

Mentee, Mentoring Program Simone, Nuremberg
November 2021 - Juni 2022

Member of Electrical Engineer, Strohm und Söhne e.V., Nürnberg
November 2022 - January 2023

Mentee, Mentoring Program Josephine from Fraunhofer, Nuremberg
May2024 - Present

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