

Tobias Sukianto

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Born: 30.12.1996

EDUCATION

Technical University Munich

Bachelor of Science in Electrical Engineering

2015-2019

Technical University Munich

Master of Science in Electrical Engineering

2019-2022

WORK & LEADERSHIP EXPERIENCE

Infineon Technologies

Working Student and Researchintern for Test Automation

May 2019 – November 2021

- Assisted a team of engineers in test automation project
- Development for automatic DLL verification tool for Teradyne tester
- Verification of test programs and hands on experience on tester
- Development of automatic datamining tool that collects the signals a chip omits
- Stochastic data analysis/fault diagnosis of chip signals

Infineon Technologies

Intern for Machine Learning for Gas Sensors

November 2021– February 2022

- Introduction into working principles of gas sensor arrays
- Introduction into current algorithms and signal processing methodologies for gas sensing
- Implemented machine learning based feature calibration methods for gas sensors

Infineon Technologies

Master Thesis Student for Machine Learning for Gas Sensors

February 2022–October 2022

- Literature research for distributional shifts in gas sensor arrays
- Investigated algorithmic degradation under distributional shifts
- Compare different network architectures under distributional shifts
- Developed data efficient neural network-based calibration techniques

Technical University Munich

Student Tutor for Mathematics

October 2018–October 2019

SKILLS, ACTIVITIES & INTERESTS

Languages: German, English, Indonesian

Technical Skills: Python, Machine Learning (Tensorflow, Pytorch), Matlab, C, C++

Relevant Courses: Statistical Signal Processing, Numerical Linear Algebra in Signal Processing, Introduction to Deep Learning, Applied Machine Intelligence