

# Hutomo Rachmat Saleh

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## Education

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### Technische Universität Berlin

10/2020 – Now

- Major: Electrical Engineering (M.Sc.)
- Notable Courses: Machine Intelligence, Non-linear Control System

### Leibniz University of Hanover

10/2019 – 9/2020

- Major: Electrical Engineering and Information Technology (M.Sc.)
- Notable Courses: High Voltage Technology, Control Systems

### Leibniz University of Hanover

04/2015 – 10/2019

- Major: Power Engineering (B.Sc.)
- Specialty: Power supply and power plant technology
- Thesis topic: Conception of a heat source for an ORC - Test station

## Practical Experience

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### Dept. of Computer Engineering and Microelectronics, Technical University Berlin

03/2021 – Now

Student Research Assistant

- Conducting experiments with Franka Panda using ROS
- Manufacturing of soft robotic fingers
- Evaluation of experiment data with python
- 3D Modelling with Fusion360

### Institute of Communication Technology, University of Hannover

04/2020 – 07/2020

Student Research Assistant, App Development in Python

- GUI Development using PyQt5
- Translating MATLAB framework into Python
- Modules used: PyQt5, Multiprocessing, Multithreading, Numpy, Matplotlib, Asyncqt

### MakerLab Hannover, Leibniz Universität Hannover

09/2018 – 08/2019

Development of "Campus-Filters" (Arduino-controlled air purifier using plants)

- Coding of microcontroller using Arduino IDE for sensors
- Designing of housing using Autodesk Inventor for 3D Printing

### International Design Project, Leibniz Universität Hannover

05/2018 – 09/2018

Development of an evaporative cooler using materials available for 3rd World Countries

- Team cooperation consisting of international students
- Prototyping, making and presenting of the product at Maker Fair Hannover 2018

### Intern at MeVaTec Metall GmbH, Hannover

05/2016 – 07/2016

Helper for a metal construction company using power tools: sawing, filing, drilling, etc.

## Languages

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- German – Advanced
- English – Fluent
- Indonesian – Native language

## Software Skills

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- Languages: Python, C, C++, Matlab, C#
- Engineering Tools: MATLAB, Autodesk Inventor, Epsilon Professional, LTspice, ANSYS Mechanical
- Administrative Tools: MS Office & LaTeX