



## Daniel Maruahal

Master degree thesis student at Infineon Technologies AG & TU Munich for International Graduate Program at Infineon Technologies AG

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More about me:  
<https://danielmaruahal.github.io/dmscv/>

## ABOUT ME

An open-minded and positive master thesis student at Infineon Technologies AG and Technical University of Munich with a rigorous passion for semiconductor, renewable energy and data engineering/data management. Around 5 years of experience assisting the development of electrical systems and data analyzing for vehicle performance and marketing in semiconductor and automotive industry in Germany and Japan. Eager to support company's carbon neutral products by using data processing, automation system and digital transformation. Inspired by continuous learning on clean energy developments and innovative future mobility solutions, always thriving to bring global mindset in an innovative and digital work environment. Seeking a long-term job opportunity at Infineon to grow strengths in analytical skills and challenge the status quo of an e-mobility industry in the future.

## LANGUAGES

English - Fluent  
German - B2 and improving  
Japanese - Fluent  
Indonesian - Native

## CORE SKILLS

- **MS Office** | Word, Excel, PowerPoint, Outlook, OneNote, Teams, Office 365
- **Data analysis** | Excel (good), Tableau (good), Python (intermediate), MS SQL Server (basic and improving)
- **Collaboration** | Confluence, Webex, GitHub, VS Code
- **Programming** | HTML, CSS, JS, ReactJS, jQuery

## HOBBIES

- Music instruments: Guitar and piano
- Photo- and videography
- Sports: Badminton and football

## EDUCATION

### MASTER OF SCIENCE (M.SC) IN SUSTAINABLE RESOURCES MANAGEMENT TECHNICAL UNIVERSITY OF MUNICH, GERMANY | OCTOBER 2019 - PRESENT

- Specialization: Renewable Resources and Environmental Economics
- Master thesis at TUM Chair of Renewable and Sustainable Energy Systems (*Erneuerbare und Nachhaltige Energiesysteme* / ENS), supported by *Deutschlandstipendium* scholarship (current German GPA 1.7)
- Thesis topic: Hydrogen packaging and transportation analysis and market trend

### BACHELOR OF SCIENCE (B.SC) IN ELECTRICAL ENGINEERING

BANDUNG INSTITUTE OF TECHNOLOGY, INDONESIA | JULY 2011 - AUGUST 2015

- Specialization: Semiconductor, control system and electronics
- Basic knowledge of layout design with Altium Designer & Multisim
- Achieving degree with final GPA 3.51 out of 4.00

## PROFESSIONAL EXPERIENCE

### WORKING STUDENT - APPLICATION MANAGEMENT MARKETING (ATV AMG AMK) INFINEON TECHNOLOGIES AG, NEUBIBERG, GERMANY | NOVEMBER 2020 - PRESENT

- Lead automotive market trends & research, data analysis and assisting the team in the preparation and execution of promotional activities (e.g. sales training, PPT, website, newsletter)
- **Tools:** Block diagram builder, HTML and CSS codes (for application page deployment), Excel spreadsheet, PowerPoint presentation, Visual Basic, Python and Tableau (for data analysis and data visualization)
- **Flexibility - work in a team or work independently:** Actively contribute application contents (Traction Inverter, On-board Charger, BMS, etc.) in a diverse team of 7 from USA, Germany, Lebanon and India, adapting problem-solving capacity for each team member in changing environment
- **Commercial mindset:** Designing Infineon (IFX) landing application webpage using block diagram builder, created more than 20 projects and deploying 1 official application webpage ([Link](#) to EV Traction Inverter block diagram on IFX webpage)
- **Market research:** Identified opportunities through automotive market trend and market access using statistics, data analysis (Excel) and data visualization (Tableau) to support decision making process, generated 5 projects, which are already subscribed by more than 30 internal employees and submitted for at least 2 external conferences

### WORKING STUDENT - GERMANY-JAPAN BUSINESS SUPPORT

INFINEON TECHNOLOGIES AG, NEUBIBERG, GERMANY | FEBRUARY 2020 - JULY 2020

- Intercultural Workshop - Community, communication and promotion
- **Tools:** Excel spreadsheet, PowerPoint presentation, intranet internal webpage and cloud share
- **Two-way communication skills and feedback culture appreciation:** Fostered relationship with the German and Japanese business manners, resulting in more efficient information flow and improved engagement in the decision-making process using data sharing platform

### ELECTRICAL LAB AND TESTING ENGINEER

KEIHIN TOCHIGI R&D CENTER, TOCHIGI, JAPAN | APRIL 2016 - APRIL 2019

- Enforce electric circuit improvement and various examinations (noise, durability) for two-wheel vehicle, especially for CBR500 Honda ECU (Engine Control Unit)
- Fast paced execution and role model for 2 Japanese juniors in the lab
- **Tools:** Japanese automotive testing standard, testing machinery, soldering kit, oscilloscope, multimeter measures, CAN transceiver and ECMS Honda Monitoring kit

## CERTIFICATIONS

**Responsive Website using HTML, CSS and JavaScript (jQuery & ReactJS)**  
Coding Studio Learning | 2022

**Developing Basic Database Application using Microsoft SQL Server**  
Coding Studio Learning | 2022

**Data Science with Scikit-learn (Python)**  
Coding Studio Learning | 2022

**Talk Digitalization**  
Infineon Internal Training, Germany | 2020