

# Curriculum Vitae

## PERSONAL INFORMATION

**Daniel Maruahal**



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Sex Male | Date of birth 10/03/1993 | Nationality Indonesia



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## PROFESSIONAL SUMMARY

Highly logical, four-language speaking and self-motivated electrical engineer and data analyst with almost 5 years of experience assisting the development of electrical systems and data analyzing for vehicle performance and marketing in semiconductor and automotive industry. Eager to support company's driving decision making and developing insightful products by using data, statistics as well as data visualization. Currently, completed SQL Server database training and mastering Python for data analysis and Tableau for data visualization, beside electrical analysis. Boosted application promotion and product efficiency by 25% at Infineon Technologies in Germany and consistently implemented a set of procedures that reduced electrical examination for an automotive control system error down to 0.1% at Keihin in Japan.

## WORK EXPERIENCE

November 2020 – Present

**Working Student and Master Thesis Student (from May 1<sup>st</sup>, 2022)**

**Infineon Technologies AG**

Am Campeon 1-15 85579 Neubiberg, Germany

- *Application Management and Marketing - Automotive market trends, analysis and report by utilizing block diagram builder, Ms. Excel, Visual Basic and Tableau for data analysis and visualisation*
- Business or sector** Semiconductor - Automotive Main Inverter and Business Strategy

February 2020 – July 2020

**Working Student**

**Infineon Technologies AG**

Am Campeon 1-15 85579 Neubiberg, Germany

- *Germany–Japan Business Support (Intercultural Workshop - Taishi Dan Internal Community, internal communication and promotion by using internal intranet webpage and cloud share)*
- Business or sector** Semiconductor - Automotive and Industrial Power Control and Business Strategy

April 2016 – April 2019

**Electrical Engineer**

**Keihin Tochigi R&D Corporation**

〒329-1233 2021-8 Hoshakuji, Takanezawa Town, Shiota County, Tochigi Prefecture, Japan

- *Enforce electric circuit improvement and examination for CBR500 Honda ECU (Engine Control Unit)*
- Business or sector** Automotive

## EDUCATION AND TRAINING

October 2019 – Present

**Master of Science in Sustainable Resources Management**

**Technical University of Munich, Germany**

- Study in progress supported by *Deutschlandstipendium* scholarship; planning to be specialized in Renewable Resources together with Environmental Economics & Policy, current GPA 1.8 out of 5.0.

October 2015 – March 2016

**Japanese Language and Manner Training**

**CBS Techno Nagoya, Japan**

- Mastering Japanese for working in Japan.

July 2011 – August 2015

**Bachelor of Science in Electrical Engineering**

**Bandung Institute of Technology, Indonesia**

- Achieving bachelor's degree in the major of electrical engineering with GPA 3.51 out of 4.00.

## PERSONAL SKILLS

Mother tongue(s)	Bahasa Indonesia (Indonesian)				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2/C1	C1	B2	C1	C1
	IELTS Certificate (Overall Score of 6.5)				
Japanese	C1	B2	C1	C1/C2	C1
	JLPT Certificate (N2 Level)				
German	B1/B2	B1/B2	B1/B2	B1/B2	B1/B2
	B2 Level Courses at Technical University of Munich				
Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user Common European Framework of Reference for Languages					

- Communication skills**
- **Good communication skills** gained through my experience as a project member team of electrical engineer in Japan as well as automotive management team in Germany.
  - **Teamwork** (get used to teamwork and do an integrated partial work among the team members).
  - **Listening** (grasp and summarize supervisor demand and implement it properly on work).

- Organisational / managerial skills**
- **Leadership** (have taken the responsible for a bachelor's degree final project team of 3 people and managed company's team activity as leader towards total 20 members).
  - **Motivation** (mentoring 2 new Japanese comrades in an engaging and supportive fashion).

- Job-related skills**
- **Calculation** and precision of measurement in any electrical and mathematical problems.
  - **Data collection, organization, analysis, and visualization** using below-mentioned software tools

## Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Independent user	Proficient user	Independent user	Proficient user

Levels: Basic user - Independent user - Proficient user  
Digital competences - Self-assessment grid

- Excellent command of **Microsoft Office** suites (**word processor, spread sheet, presentation** software).
- Excellent **data analysis** in **Scikit-Learn (and Python)** Environment and **data visualization** with **Tableau**.
- Mastering responsive website **front-end development** using **HTML, CSS**, and **JavaScript** codes.
- Familiar with **Python** and **C programming language**.
- Familiar with **database developing** program: **Microsoft SQL Server**
- Familiar with engineering design tools: **MATLAB, Altium Designer, Multisim**, and **Altera Quartus**.
- Familiar with sound-video editing with software tools such as **Audacity** and **Adobe After Effects**.

- Other skills**
- Electrical soldering and carpentry.
  - Sports (football/futsal, swimming, and badminton).
  - Playing musical instruments (piano and guitar).

- Driving licence**
- B (International, Motor vehicles, having a permissible maximum mass not exceeding 3.500 kg and not more than 8 seats in addition to the driver's seat).

## ADDITIONAL INFORMATION

- Training and Seminars**
- "SQL Server, Scikit-Learn, & Python Data Analysis Programming" trainings at Coding Studio (2022)
  - "Silicon Carbide Technology Basics" Training at Infineon Technologies AG, Munich, Germany (2021).
  - "Talk Digitalization" at Infineon Technologies AG, Munich, Germany (2020).
  - "SRM Talks on Renewable Resources" in TUM Weihenstephan, Germany (2019).
  - John Robert Powers Human Development Training in Jakarta, Indonesia (2019, still active).