RESUME

PERSONAL INFORMATION

Name:	Mohamad Afif Irfan Bin Abdul Halim
Date of birth:	31. December 1998
Address:	5, Lorong Limonia 9, Bertam Perdana 2, 13200 Kepala Batas, Pulau Pinang
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EDUCATION

10/2018 - 09/2023

Technical University of Applied Sciences Würzburg-Schweinfurt
Bachelor's Degree of Mechatronics (B. Eng)
Core electives:
1. Automated systems and human-machine-interaction
2. Automation and robotics
Bachelor's thesis: Virtual commissioning of a linear axis machine
Final grade: 1.7 (German grading system, equivalent to estimated CGPA of 3.53)

03/2018 - 09/2018

University of Mannheim
German language course (Level A2-C1) Final grade:
DSH-2 equivalent to C1-Level (Advanced)

06/2016 - 02/2018

German-Malaysian Institute, Malaysia
Cambridge International A-Levels
Final grade: 3 A's & 1 B

WORK EXPERIENCE

11/2023 – 06/2024

PD&T Division, PETRONAS, Malaysia
PROTEGE–GEES at Project Offshore Delivery Department
- Involved in EPCIC planning activities for low-speed wind turbine pilot research project
- Developed an automated monitoring system to track the status of engineering deliverables with Microsoft Excel
- Coordinated with engineers to consolidate scope of work details for oil and gas EPCC infill project
- Conducted market research on wind turbine companies
- Collected data from projects for manpower analysis

04/2022 - 09/2022

ANDREAS STIHL AG & Co. KG, Waiblingen, Germany
Internship at System Validation of Lawn Mowing Robot Department
- Worked with PROVEtech:TA- und CANape-Software for test automation
- Worked with MATLAB App Designer for an user interface of data evaluation
- Development of a Python program with a GUI for 2D garden design using drag and drop feature

PRACTICAL EXPERIENCE

06/2016 - 02/2018	**German-Malaysian Institute, Malaysia** Pre-study practical experience program ("Vorpraktikum") - Experience in the following modules: Milling, turning, pneumatics, hydraulics, basic metal processing (benchwork) and technical drawing - Experience in the operation of machines - Getting to know the circuit components - Fulfilling the specified tasks

LANGUAGE SKILLS

Native language:	**Malay**
Foreign languages:	**German** (fluent in speech and writing) **English** (fluent in speech and writing)

COMPUTER SKILLS

Programming languages:	**Python** Experience with OpenCV-, Matplotlib-, Numpy- and Standard-Library
	C++ Personal projects: Car rental system, Bookshop inventory system
Software:	**Microsoft Office** Data analysis with Excel, documentation and presentations of laboratory experiments and industrial project at the university
	MATLAB and Simulink Create the simulation models for the control loop in the field of control engineering and implementation of numerical mathematics
	NI LabVIEW Very good basic knowledge through LabVIEW courses
	Siemens Simatic S7 Basic knowledge of PLC technology with the language types LD, FBD and IL
	WinFACT Boris Design simulation model of a mechatronic system (One semester lab course)
	PTC Creo-CAD Basic drawing and design skills to the modelling of components and assemblies