

CV

Personal Information

Name	Assma Alwais
E-Mail	alwaisasma@gmail.com
Phone Number	+49 1573 8329242
Address	Hazelnut Crescent, Ottawa, ON K1T 0K3, Canada
Birth Date	18.07.2002
Nationality	Jordanian
LinkedIn	www.linkedin.com/in/asma-alwais
YouTube	youtube.com/@sternsemo
Portfolio	https://asmaalwais.github.io/asmaalwais/



Education

September 2020 - January 2026	Bachelor study in Mechatronics and AI German Jordanian University, Madaba, Jordan Strengths: Sensors, Automation, Robotics, AI and IOT GPA: 81.7% (very good)
October 2024 - October 2025	Exchange Semester: Bachelor study in Automation and Electronics Nordhausen University Strengths: Internet Software Technology, Quality Management, 3D-Printing Sensors and Automation
Juli 2020	Jordanian High School Diploma Al-Hassad Schools, Amman, Jordan

Work Experience

August 2025 - February 2026	Bachelor Student; Machine Vision for real time error detection Murrelektronik, Kirchheim unter Teck, Germany <ul style="list-style-type: none">Development of a machine vision system for the automatic real-time error detection of objects and products.Use of image processing and AI models for precise and fast assignment of different product classes.
April 2025 - July 2025	Internship in the area of research; Automation of a Testing station fischer GmbH, Waldachtal, Germany <ul style="list-style-type: none">Planning and setup of a robotic test cell for automated acquisition of quality data during the testing of wood construction screws.Integration of sensors, actuators, and image processing for real-time inspection.
September 2023 - October 2023	Internship in the area of Maintenance of Automotive Systems Mercedes-Benz, Tawfiq Gharghour, Amman, Jordan <ul style="list-style-type: none">Performing maintenance work on transmission systems and AC unitsGeneral inspections and vehicle servicing.

February 2023 - April
2023

Customer service representative
Crystel, Amman, Jordan

- Professional telephone support in German-language customer service.
- Processing customer orders, and handling complaint management.

Personal Skills

Languages	Arabic	Mother Tongue
	English:	Fluent (C1)
	German:	Very Good (B2)
 Computer Knowledge		
	LabVIEW:	Very good
	MS-Office:	Very good
	SIMATIC STEP 7:	Very good
	AutoCAD:	Very good
	Python:	Very good
	Matlab:	Very good
	C und C++:	Very good
	Power BI:	Very good
	HorstFX:	Very good
	SiemensNX:	Very good
	CoDeSys	Basic knowledge
 Hobbies	Filming and Video editing	

Projects

More about Projects: <https://asmaalwais.github.io/asmaalwais/>

Smart Factory:

Programming of a smart factory using PLC and HMI for managing assembly stations and optimizing production processes.

PID Control System:

Implementation of a PID controller optimized for stability and precision. The controller was tested and fine-tuned in simulated scenarios.

Automated Smart Home:

Development of a system featuring fire detection, security, automatic lighting, PIN-based door access, and HVAC control, enabling an energy-efficient and secure living environment.

Vibration Sensor Data Analysis:

Analysis of vibration data to identify patterns and anomalies in order to better understand system behavior and detect potential issues at an early stage.

Machine Vision for Real-Time Object Classification:

Development of a camera-based system for edge detection and real-time product classification. Use of image processing and AI models for stable detection and fast assignment of different object classes.

Ottawa, 23.11.2025

